

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

07/13/2011

Edward Lynch  
Assistant District Attorney, Cape & Island

Dear ADA Lynch,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Zhi Yi Tan
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]  
[REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Zhi Yi Tan was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## **Curriculum Vitae**

**Zhi yi Tan**

### **EDUCATION**

M.S. in Biology, Peking University, Beijing, China.

Ph.D. equivalent in biology, Houston Downtown University, Texas, US.

### **Employment**

#### **1997-Present Chemist II , State Laboratory Institute**

Massachusetts Department of Public Health, Drug Analysis Laboratory.

Responsible for the identification of substance to determine violations of the Massachusetts harmful and narcotic drug laws.

#### **1995-1997 Chemist I and II, Drug Laboratory, Amherst, SLI, MDPH, MA**

Responsible for the identification of unknown substances, to determine violations of the Massachusetts harmful and narcotic drug laws.

Trained in the use of analytical instrumentation for the purpose of performing forensic drug analysis. Maintained complex analytical equipment. Assisted in developing methods of analysis.

Appointed an assistant analyst for the Department of Public Health. 1995

#### **1988-1995 Post Doctor Department in Plant & Soil Sciences, UMASS, Amherst MA.**

Researched on the field of Plant Physiology and Biochemistry, funding by USDA and NASA projects.

#### **1988 Spring-1988 Summer, Research Associate in Department Crop & Soil Sciences. TAMU, TX**

research on the environmental program and plant hormones.

#### **1986-1988. Post Doctor in the Department of Biology , University of California at Santa Cruz. CA.**

Research conducted on Plant hormone and Senescence

#### **1977-1986 Assistant Professor in the department of Biology , Beijing Normal University, and the main Advisor of Beijing Analytical equipment Institute.**

Taught and performed research projects of plant hormone physiology.  
Trained in GC & HPLC techniques and their application in Biology

**Honor & Publications:** The best Publication of 1990 award by American Society of Horticulture. 23 Papers in main Science Journal. One GC Patent.

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: Barnstable Police Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Sgt. Arthur Caiado

Defendant(s) Name (last, first, initial):  
[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

32 small blue pills - 1 Baggie

11.83 g

Received by: [Signature]

Date: 6.11.10

*The Commonwealth of Massachusetts**Executive Office of Health and Human Services**Department of Public Health**State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**City or Department: Darnstable Police Police Reference No.: [REDACTED]Name and Rank of Submitting Officer: Sgt. Arthur CaiadoDefendant(s) Name (last, first, initial):  
[REDACTED]*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

148 small blue pills - 1 Baggie

23.33 gm

137 small blue pills - 1 Baggie

20.14 gm

6 white tablets - 1 Baggie

5.40 gm

Received by: [Signature]Date: 10-20-10

No. [REDACTED]

Date Analyzed: 11-01-10

City: Barnstable Police Dept.

Officer: Sergeant ARTHUR CAIADO

Def: [REDACTED]

Amount: 32.0

Subst: TAB

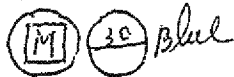
No. Cont: 1 Cont: pb

Date Rec'd: 06/11/2010

No. Analyzed:

Gross Wt.: 11.83

Net Weight: 3.82



# Tests: 12/T

• 2 ASD

Prelim:

*oxycodone*

Findings:

*oxycodone*

*P. 3268*

No. [REDACTED] Date Analyzed: 11-08-10  
City: Barnstable Police Dept.  
Officer: Sergeant ARTHUR CAIADO  
Def: [REDACTED]  
Amount: ~~448.0~~ 146 entire Tab & pieces of Tab Fragment Subst: TAB  
No. Cont: 1 Cont: pb  
Date Rec'd: 10/20/2010 No. Analyzed:  
Gross Wt.: 23.33 Net Weight: 18.56  
(M) (20) blue # Tests: 2 Y/T  
Prelim: oxycodone Findings: oxycodone 0.3283 ✓  
UASO

No. [REDACTED] Date Analyzed: 11-08-10  
City: Barnstable Police Dept.  
Officer: Sergeant ARTHUR CAIADO  
Def: [REDACTED]  
Amount: ~~137.0~~ 134 entire & pieces of Tab Fragment Subst: TAB  
No. Cont: 1 Cont: pb  
Date Rec'd: 10/20/2010 No. Analyzed:  
Gross Wt.: 20.14 ✓ Net Weight: 13.91  
(A) (21) blue # Tests: 1 Y/T  
Prelim: oxycodone Findings: oxycodone 0.3284 ✓  
2ASO

No. [REDACTED] Date Analyzed: 11-09-10  
City: Barnstable Police Dept.  
Officer: Sergeant ARTHUR CAIADO  
Def: [REDACTED]  
Amount: 6.0 Subst: TAB  
No. Cont: 1 Cont: pb  
Date Rec'd: 10/20/2010 No. Analyzed:  
Gross Wt.: 5.40 Net Weight:  
(M) white # Tests: 1 Y/T  
(57) (71) Prelim: methadone Findings: methadone 0.3284 ✓  
2ASO

Pharmaceutical Analysis Sheet

Sample # [REDACTED] City Barnstable E.O. weight ✓ N.Wt: 3.82  
Count 32.0 Description: tab/1Pb (M) (30) Blue 1 tested  
Ballistic I.D. oxycodone (B)  
I.D. Source micromedex  
Final I.D. oxycodone MS chemist ASD completed 11-01-10



**POISINDEX® Product List****Oxycodone Hydrochloride****Regulatory-Status:** Schedule II**Ingredients****Active-Ingredient:** Oxycodone Hydrochloride - 30 MG**Excipients:** Cellulose, Microcrystalline  
Sodium Starch Glycolate  
Starch, Corn  
Lactose  
Stearic Acid  
FD&C Blue No. 2**Availability & Manufacturing****Availability:** United States**Available-Container-Size:** Bottle of 100**Contact:** Covidien Mallinckrodt**Product ID:** 6594281**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)**Registry Number:** NDC 0406-8530-01**Physical Description****Imprints:** M - The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side.  
30**Alt Imprints:** M30 - The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side.  
M 30**Form:** Oral Tablet**Color:** Light Blue**Shape:** Circle

Sample # [REDACTED] City Barnstable E.O. weight ✓ n.wt. 18.50

Count 146 Description: entire tabe & piece of tab fragment / ipb 2 tested

Ballistic I.D. oxycodone (B) (M) (30) blue

I.D. Source micromedex

Final I.D. oxycodone MS chemist ASD completed 11-08-10

**POISINDEX® Product List****Oxycodone Hydrochloride****Regulatory-Status:** Schedule II**Ingredients****Active-Ingredient:** Oxycodone Hydrochloride - 30 MG**Excipients:** Cellulose, Microcrystalline  
Sodium Starch Glycolate  
Starch, Corn  
Lactose  
Stearic Acid  
FD&C Blue No. 2**Availability & Manufacturing****Availability:** United States**Available-Container-Size:** Bottle of 100**Contact:** Covidien Mallinckrodt**Product ID:** 6594281**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)**Registry Number:** NDC 0406-8530-01**Physical Description****Imprints:** M - The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side.  
30**Alt Imprints:** M30 - The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side.  
M 30**Form:** Oral Tablet**Color:** Light Blue**Shape:** Circle

Pharmaceutical Analysis Sheet

Sample #                      City Barnstable E.O. weight ✓ n.wt: 13.91  
 Count 134 Description: entire top & pieces of tab. fragment / pb 1 tested (A/215) Blue  
 Ballistic I.D. oxycodone (B)  
 I.D. Source micromedex

Final I.D. oxycodone MS chemist ASD completed 11-08-10

Sample #                      City Barnstable E.O. weight ✓ n.wt: 1.49  
 Count 6.0 Description: tab / pb (M) (57/71) white 1 tested  
 Ballistic I.D. methadone (B)  
 I.D. Source micromedex

Final I.D. Methadone MS chemist ASD completed 11-09-10

**POISINDEX® Product List****Oxycodone Hydrochloride**

**Also known as** Oxycodone HCl

**Regulatory-Status:** Schedule II

**Ingredients**

**Active-Ingredient:** Oxycodone Hydrochloride - 30 MG

**Excipients:** Starch, Corn  
FD&C Blue No. 2 Aluminum Lake  
Lactose (Monohydrate)  
Cellulose, Microcrystalline  
Silicon Dioxide  
Sodium Starch Glycolate  
Stearic Acid

**Availability & Manufacturing**

**Availability:** United States

**Available-Container-Sizes:** 10X10; Bottle of 100

**Contact:** Actavis Totowa

**Product ID:** 6527175

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**Registry Numbers:** NDC 52152-215-11  
NDC 52152-215-02

**Notes**

**Notes:** Actavis Totowa LLC acquired Amide Pharmaceuticals effective 05/15/2006.

**Physical Description**

**Imprint:** A; 215

**Form:** Oral Tablet

**Color:** Blue

**Shape:** Circle

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**POISINDEX® Product List****Methadone Hydrochloride**

**Also known as** Methadone HCl

**Regulatory-Status:** Schedule II

**Ingredients**

**Active-Ingredient:** Methadone Hydrochloride - 10 MG

**Excipients:** Magnesium Stearate  
Cellulose, Microcrystalline  
Silicon Dioxide  
Lactose (Monohydrate)

**Availability & Manufacturing**

**Availability:** United States

**Available-Container-Sizes:** Bottle of 100; 10X10

**Contact:** Covidien Mallinckrodt

**Product ID:** 6710697

**AAPCC Code:** 037703 - Methadone

**Registry Numbers:** NDC 0406-5771-01  
NDC 0406-5771-62

**Physical Description**

**Imprints:** M - The tablet is debossed with a score between 57 and 71 on one side and M enclosed in a box on the other side.  
57 71

**Alt Imprint:** 5771

**Form:** Oral Tablet

**Color:** White to Off-White

**Shape:** Rectangle

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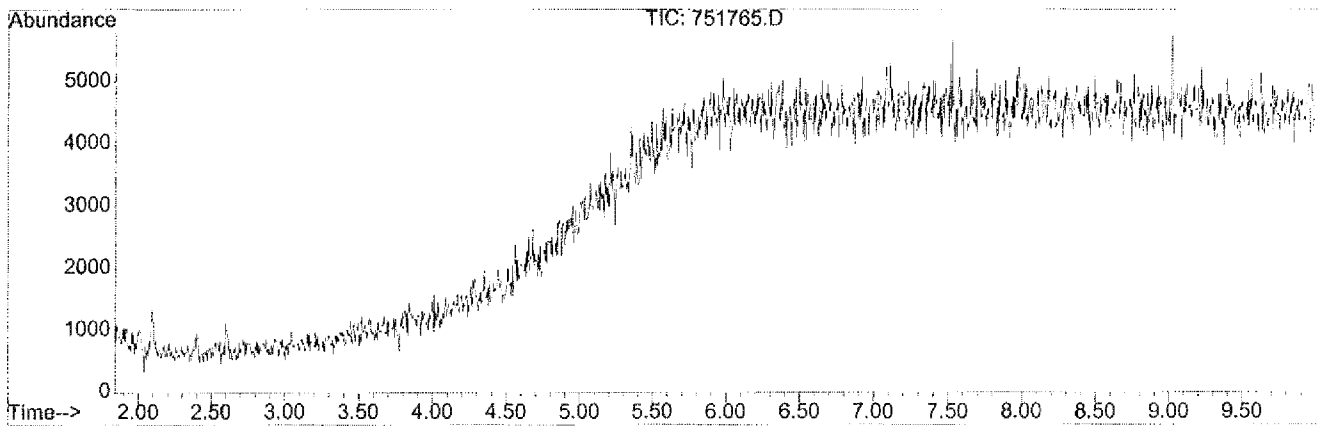
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 29 Oct 2010 22:27  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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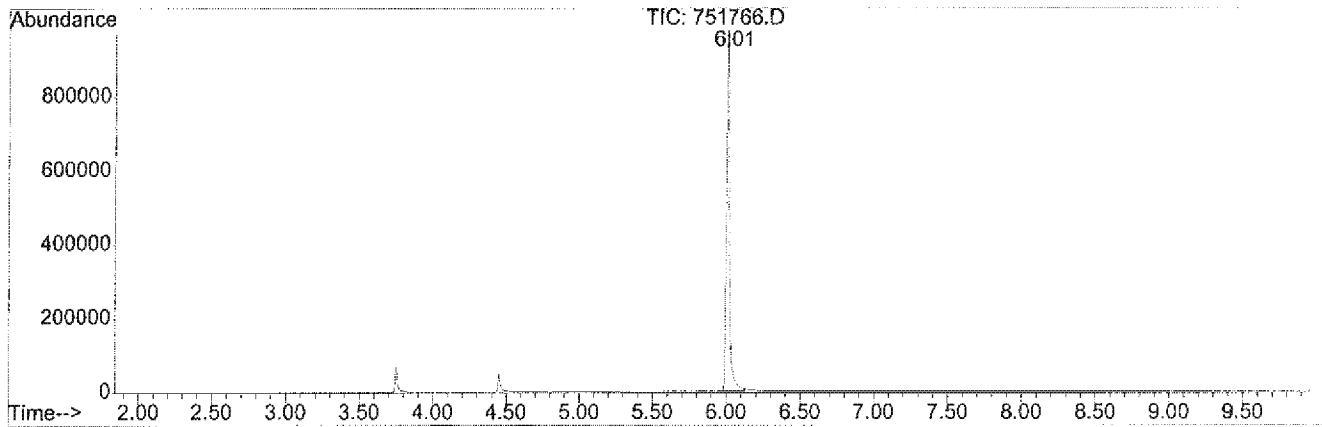
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751766.D  
 Operator : ASD  
 Date Acquired : 29 Oct 2010 22:40  
 Sample Name : OXYCODONE STD  
 Submitted by :  
 Vial Number : 44  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.009	1465781	100.00	100.00



# Area Percent / Library Search Report

**Information from Data File:**

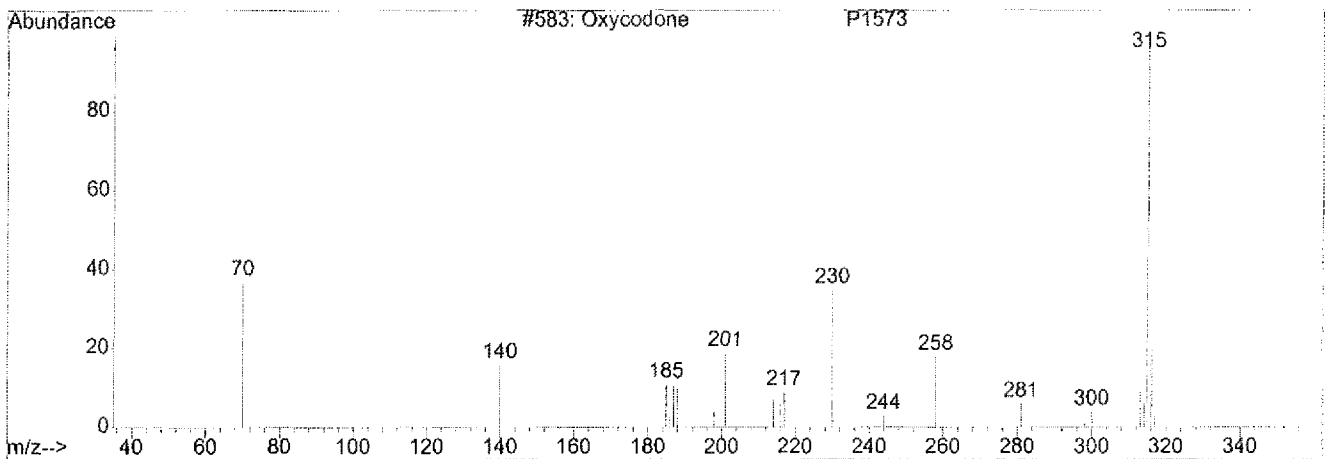
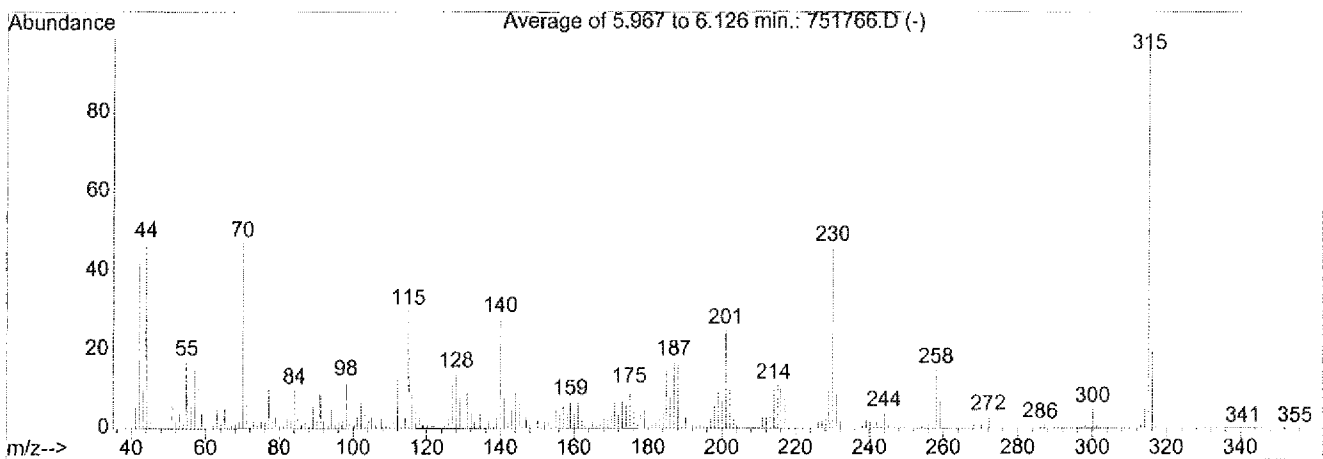
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Operator        : ASD
Date Acquired   : 29 Oct 2010  22:40
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 44
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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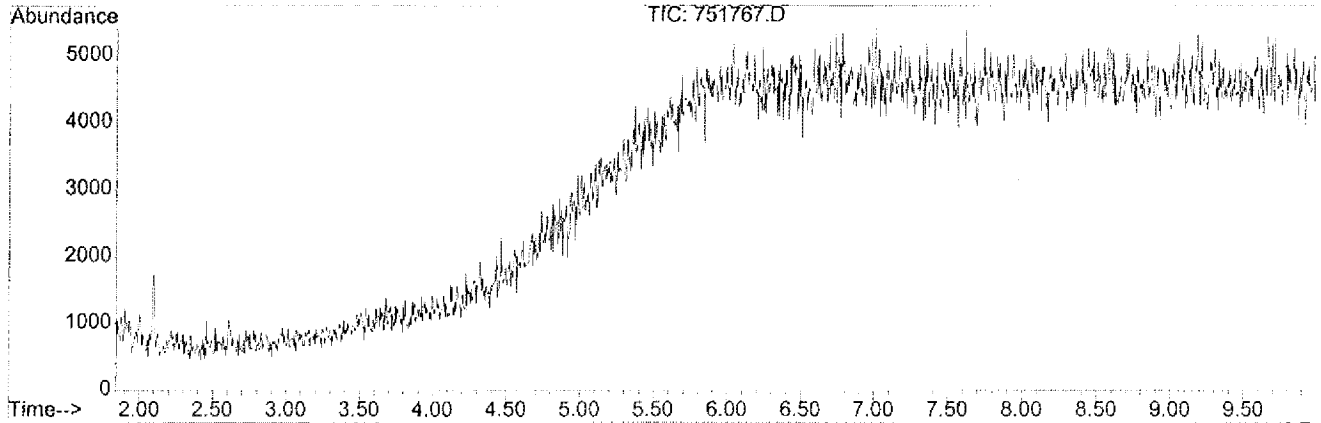
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1	6.01	C:\DATABASE\PMW_TOX2.L Oxycodone	000076-42-6	90



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751767.D  
Operator : ASD  
Date Acquired : 29 Oct 2010 22:52  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

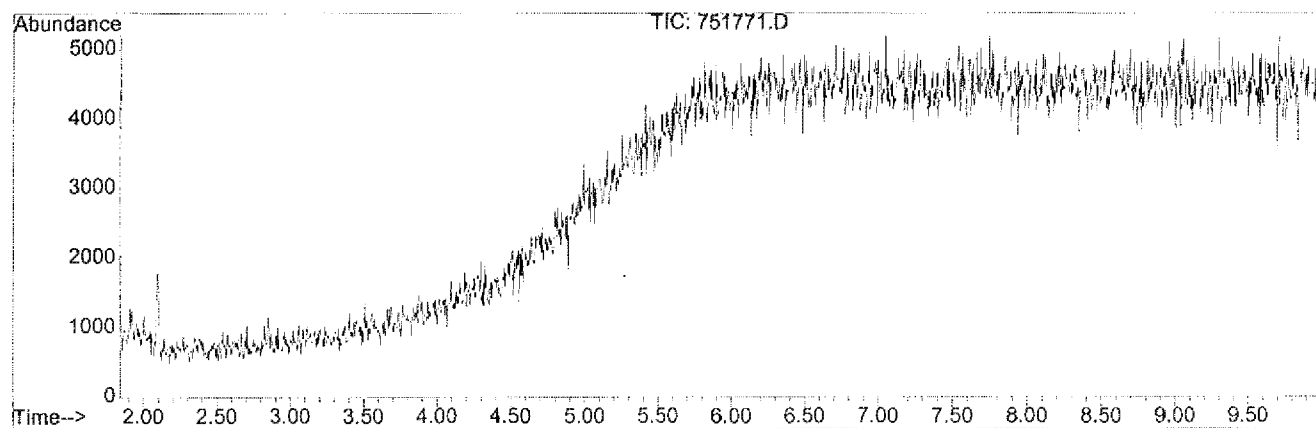
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751771.D  
Operator : ASD  
Date Acquired : 29 Oct 2010 23:43  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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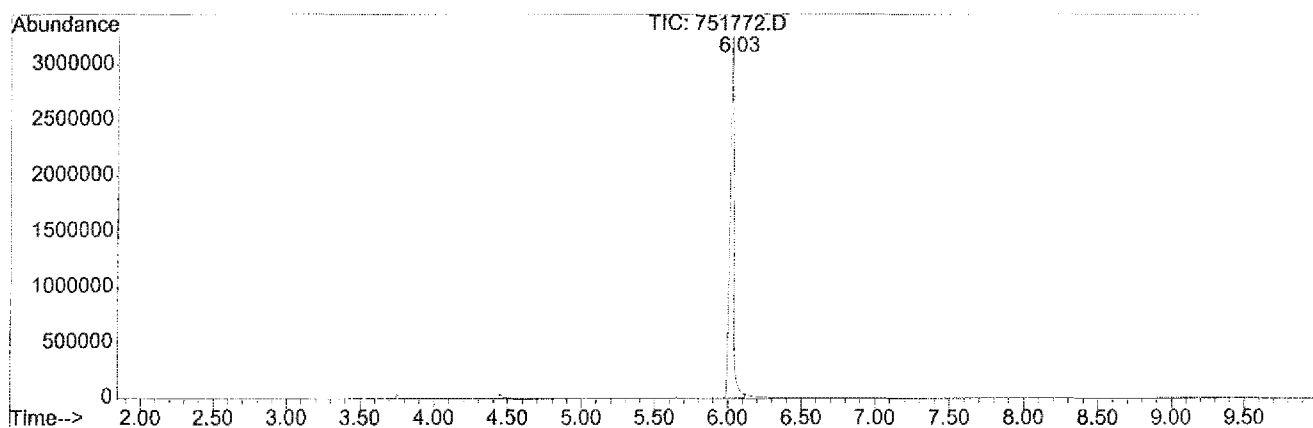
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751772.D  
 Operator : ASD  
 Date Acquired : 29 Oct 2010 23:55  
 Sample Name : XXXXXXXXXX  
 Submitted by : ZYT  
 Vial Number : 72  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.025	6010268	100.00	100.00

# Area Percent / Library Search Report

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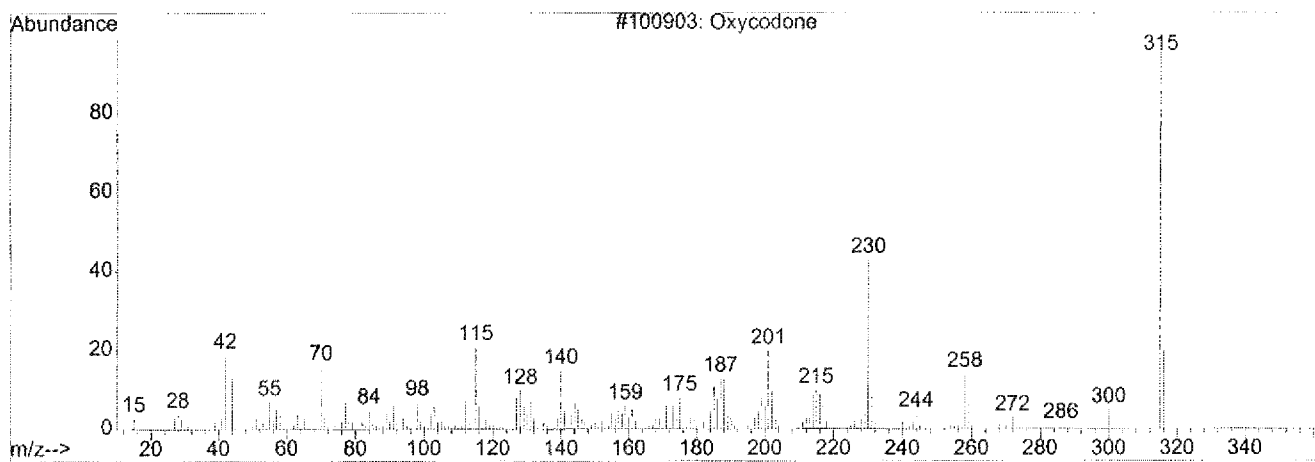
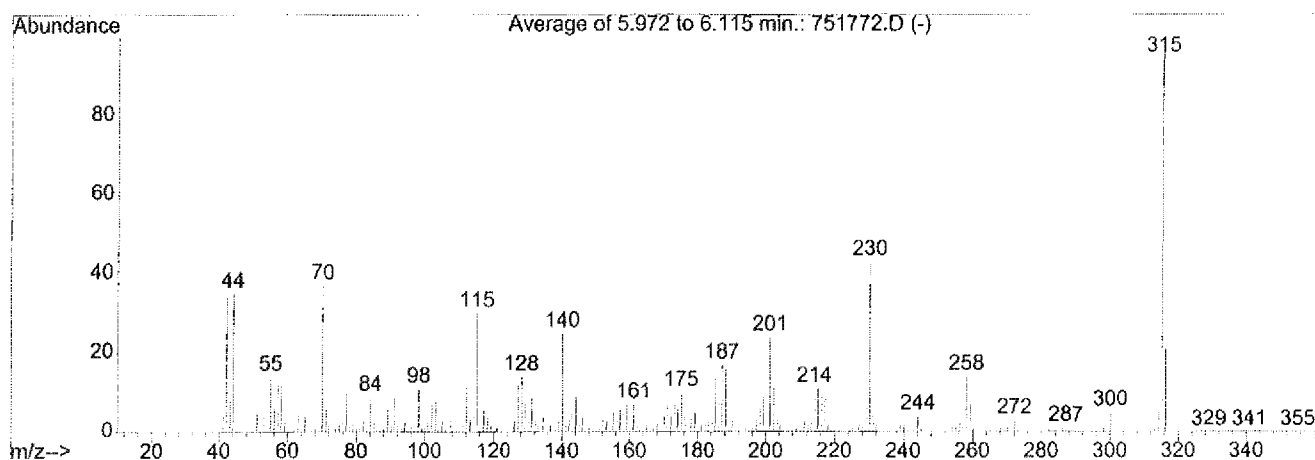
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File Name       : F:\Q4-2010\SYSTEM7\10_29_10\751772.D
Operator        : ASD
Date Acquired   : 29 Oct 2010   23:55
Sample Name     : ██████████
Submitted by    : ZYT
Vial Number     : 72
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.03	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



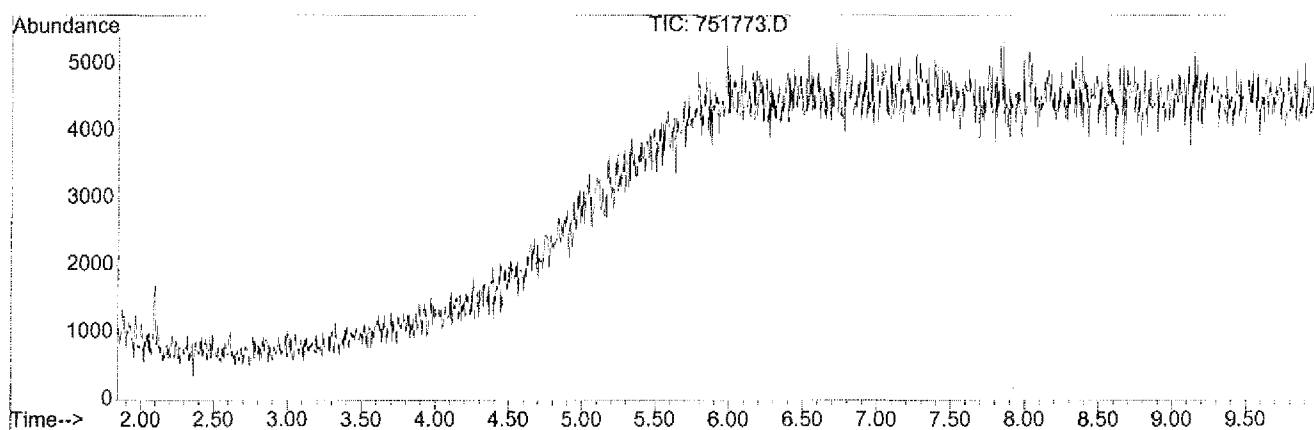
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751773.D  
Operator : ASD  
Date Acquired : 30 Oct 2010 00:08  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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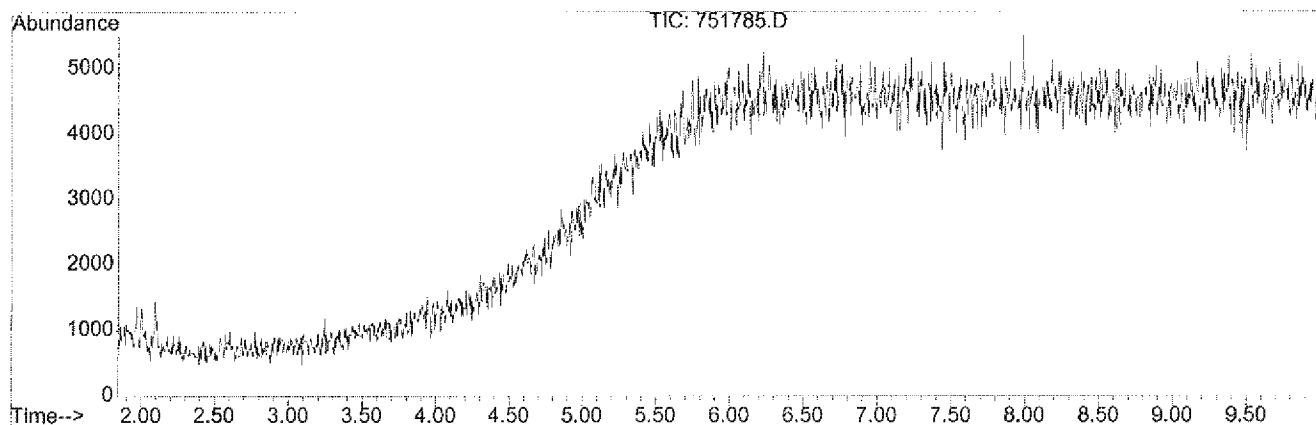
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751785.D  
 Operator : ASD  
 Date Acquired : 30 Oct 2010 2:40  
 Sample Name : BLANK  
 Submitted by : ZYT  
 Vial Number : 2  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

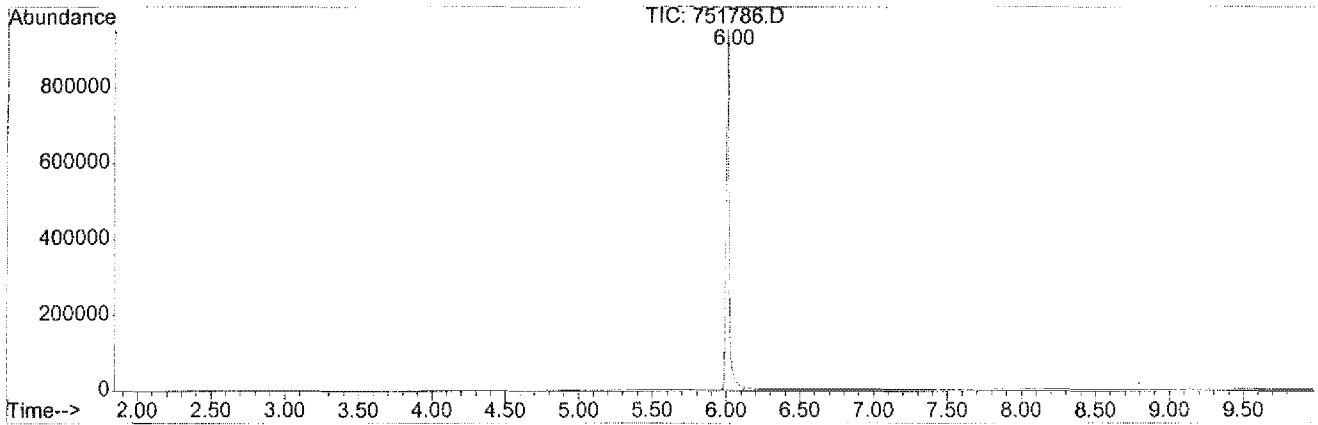
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751786.D  
Operator : ASD  
Date Acquired : 30 Oct 2010 2:52  
Sample Name : OXYCODONE STD  
Submitted by : ZYT  
Vial Number : 44  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.004	1391363	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

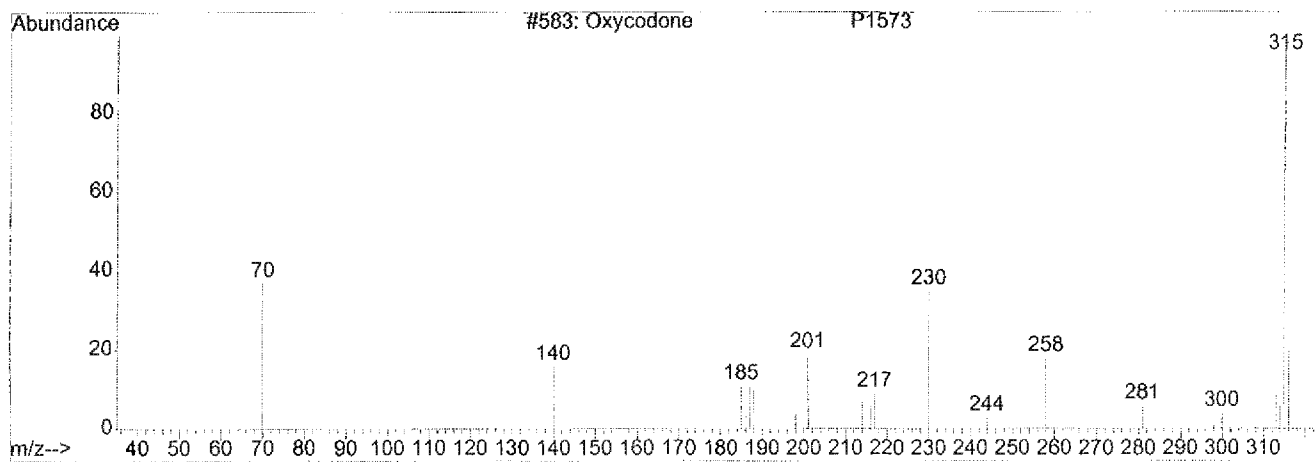
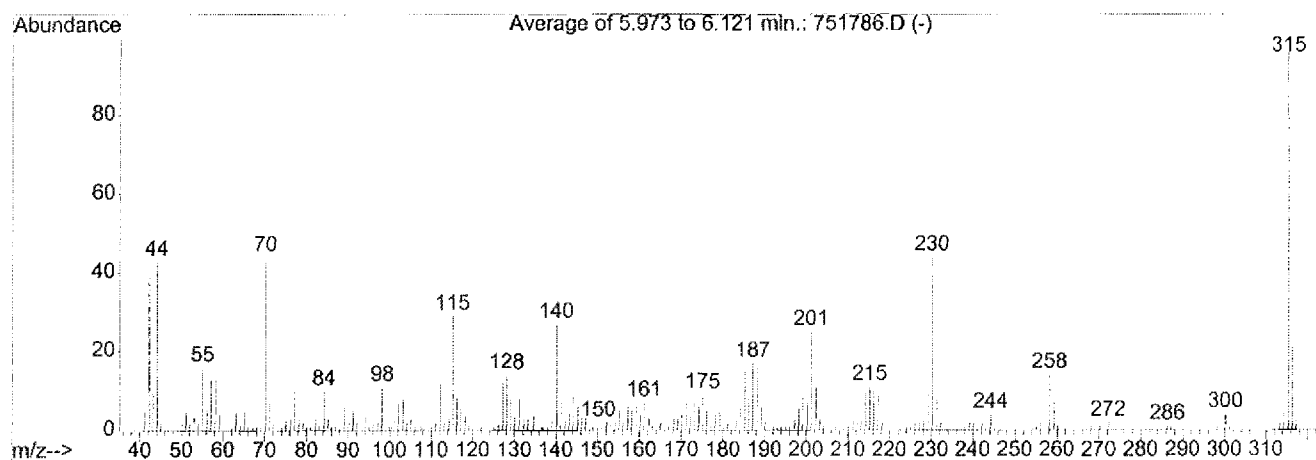
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File Name       : F:\Q4-2010\SYSTEM7\10_29_10\751786.D
Operator        : ASD
Date Acquired   : 30 Oct 2010   2:52
Sample Name     : OXYCODONE STD
Submitted by    : ZYT
Vial Number     : 44
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.00	C:\DATABASE\PMW_TOX2.L Oxycodone	000076-42-6	95



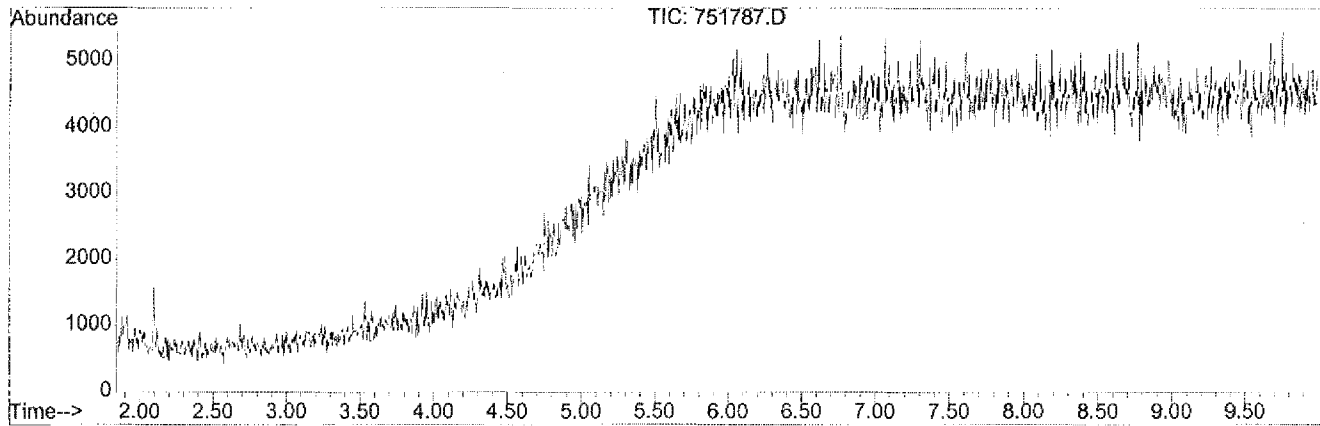
# Area Percent / Library Search Report

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File Name : F:\Q4-2010\SYSTEM7\10\_29\_10\751787.D  
Operator : ASD  
Date Acquired : 30 Oct 2010 3:05  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

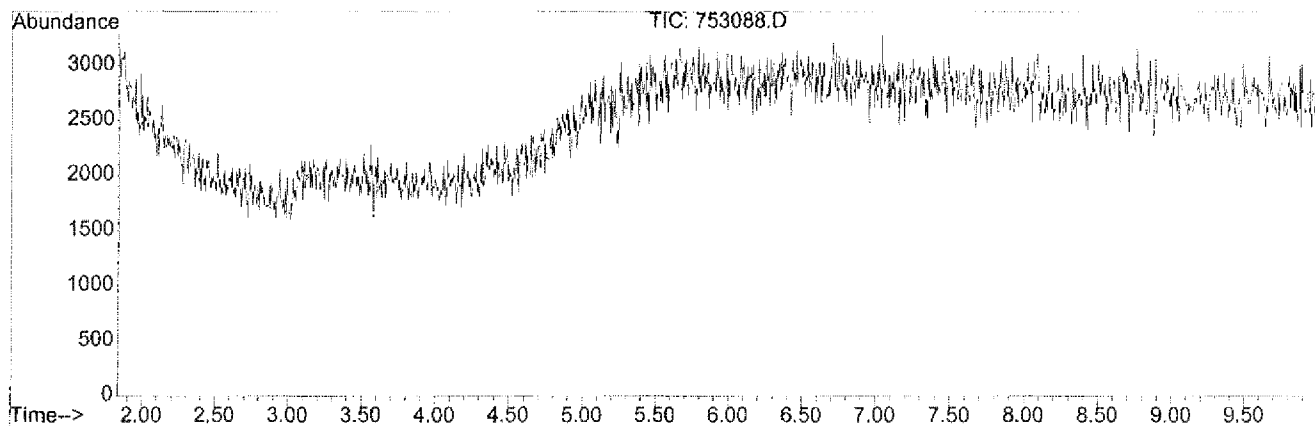
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753088.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 3:08  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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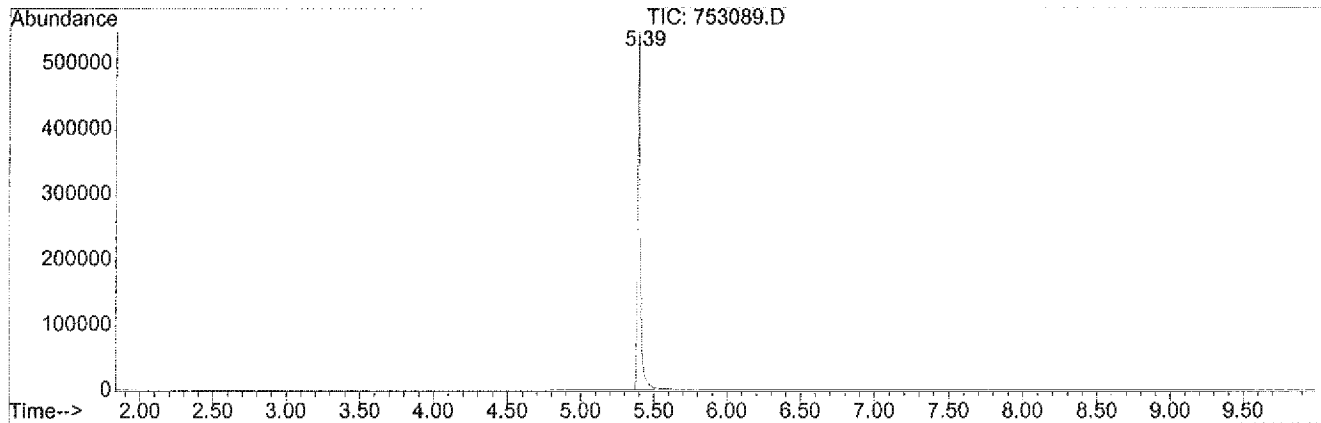
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753089.D  
 Operator : ASD  
 Date Acquired : 7 Nov 2010 3:21  
 Sample Name : OXYCODONE STD  
 Submitted by :  
 Vial Number : 89  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.395	713653	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

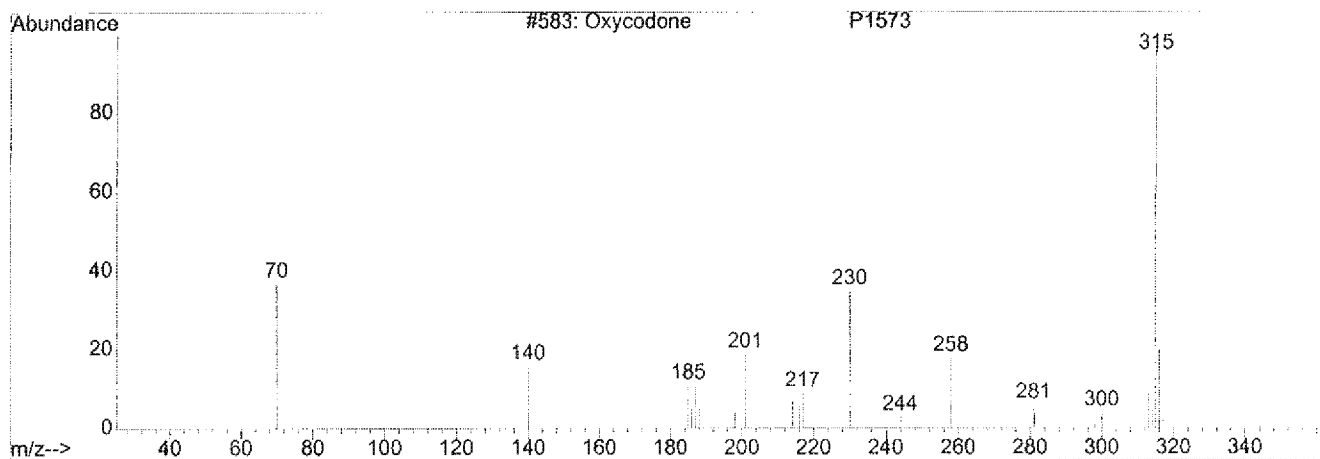
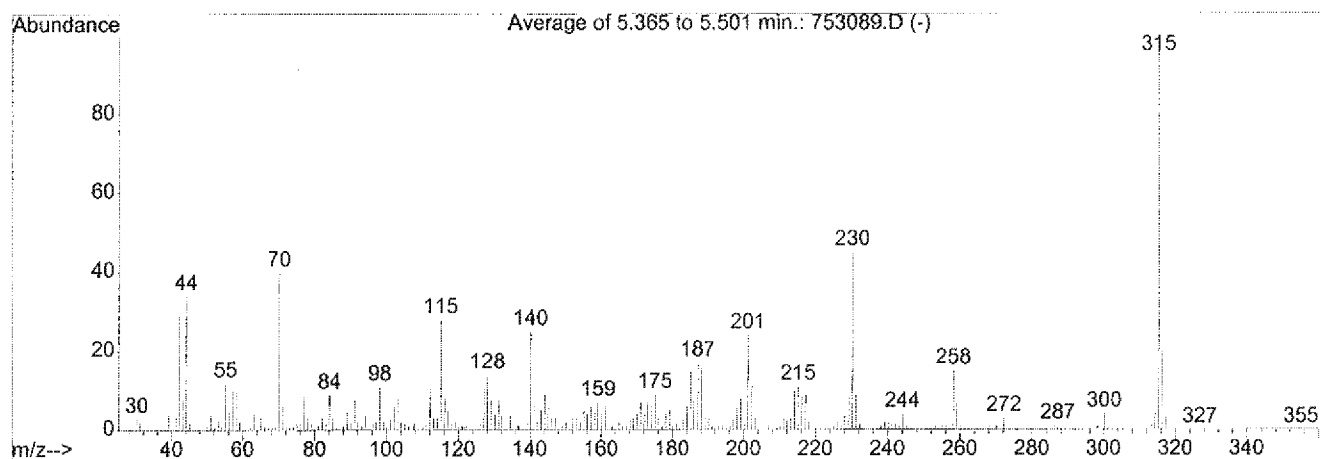
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\753089.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   3:21
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 89
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.39	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	90
		Endogenous biomolecule AC	000000-00-0	9



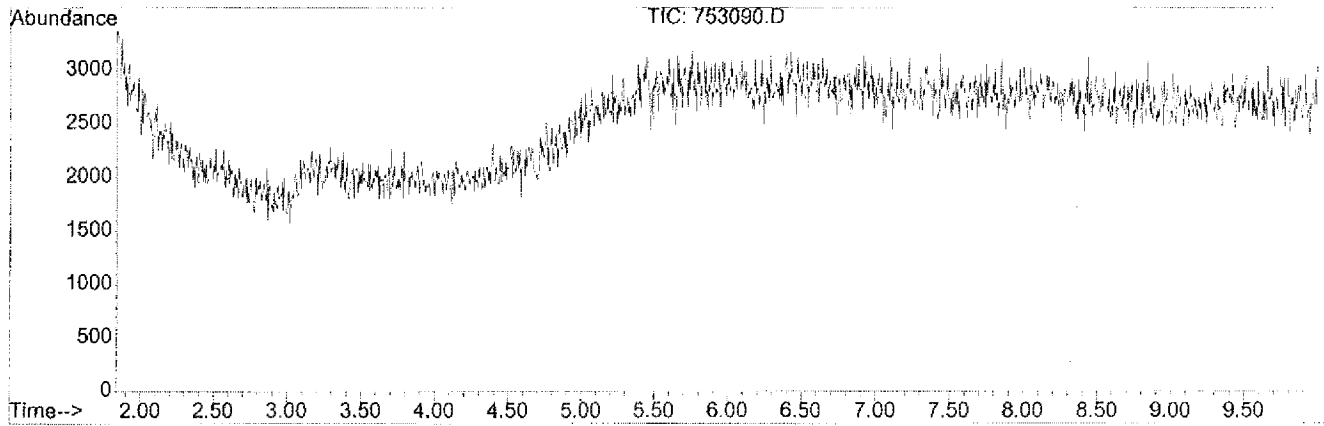
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753090.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 3:34  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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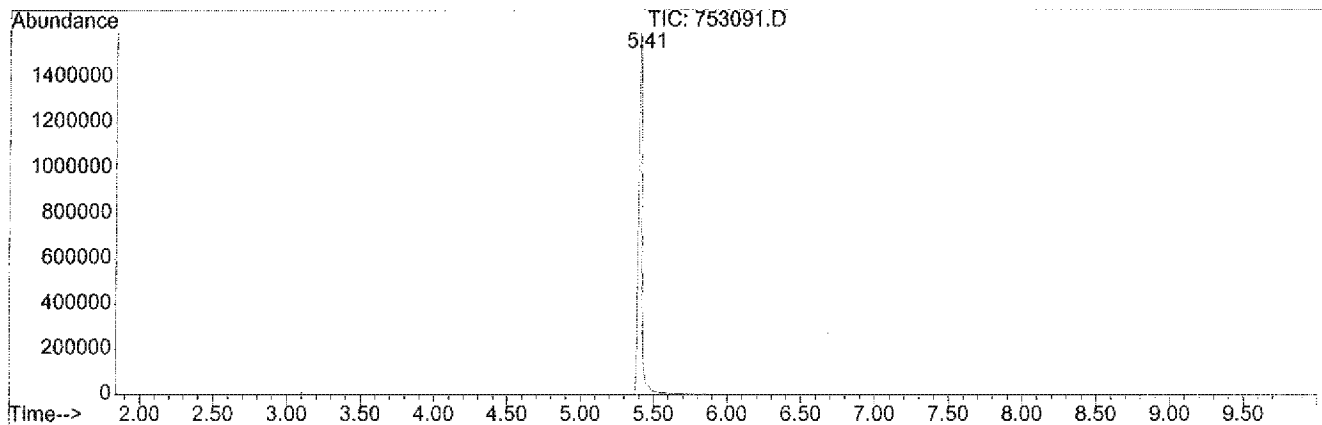
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753091.D  
 Operator : ASD  
 Date Acquired : 7 Nov 2010 3:47  
 Sample Name : XXXXXXXXXX  
 Submitted by : ZYT  
 Vial Number : 91  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.406	2687763	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

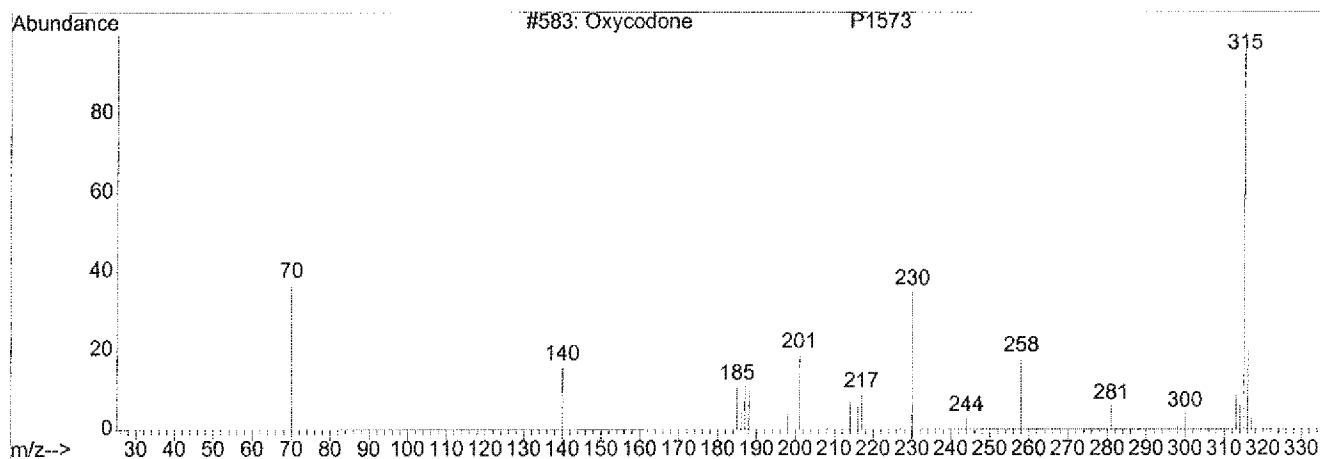
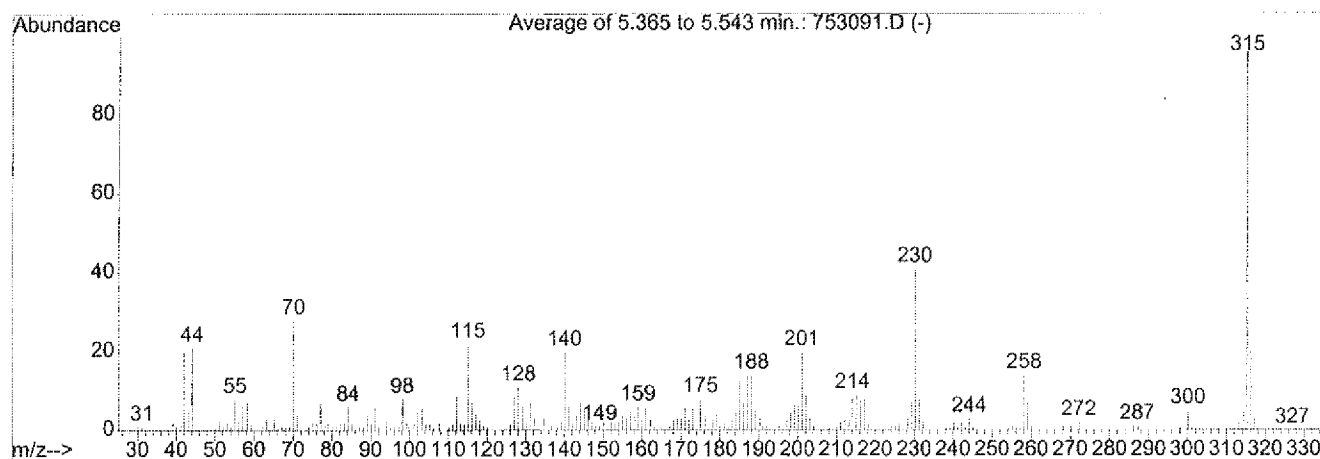
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\753091.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   3:47
Sample Name     : ██████████
Submitted by    : ZYT
Vial Number     : 91
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.41	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	94
		Endogenous biomolecule AC	000000-00-0	2





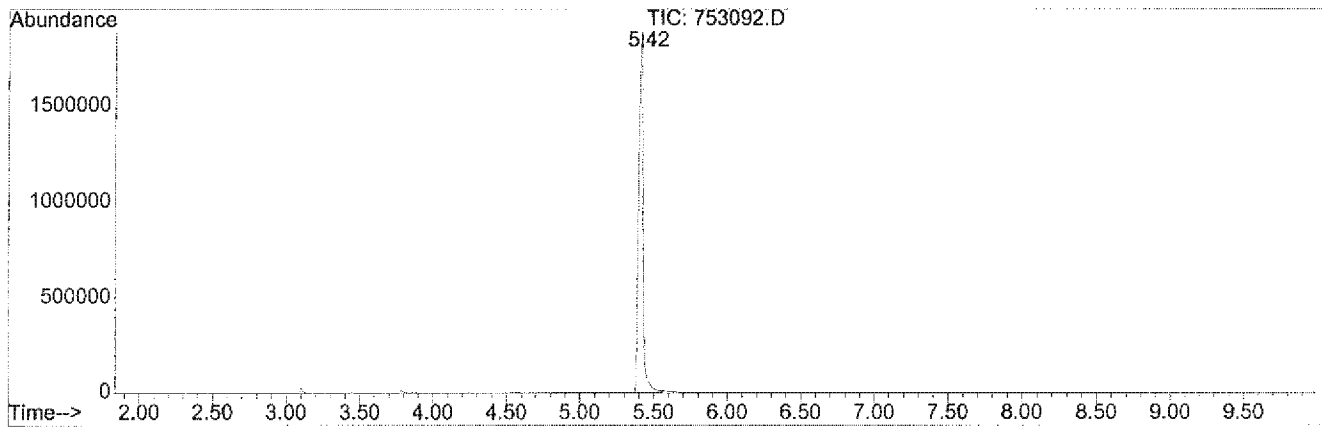
Area Percent / Library Search Report

---

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753092.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 4:00  
Sample Name : XXXXXXXXXX  
Submitted by : ZYT  
Vial Number : 92  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
5.418	3904533	100.00	100.00

---

# Area Percent / Library Search Report

**Information from Data File:**

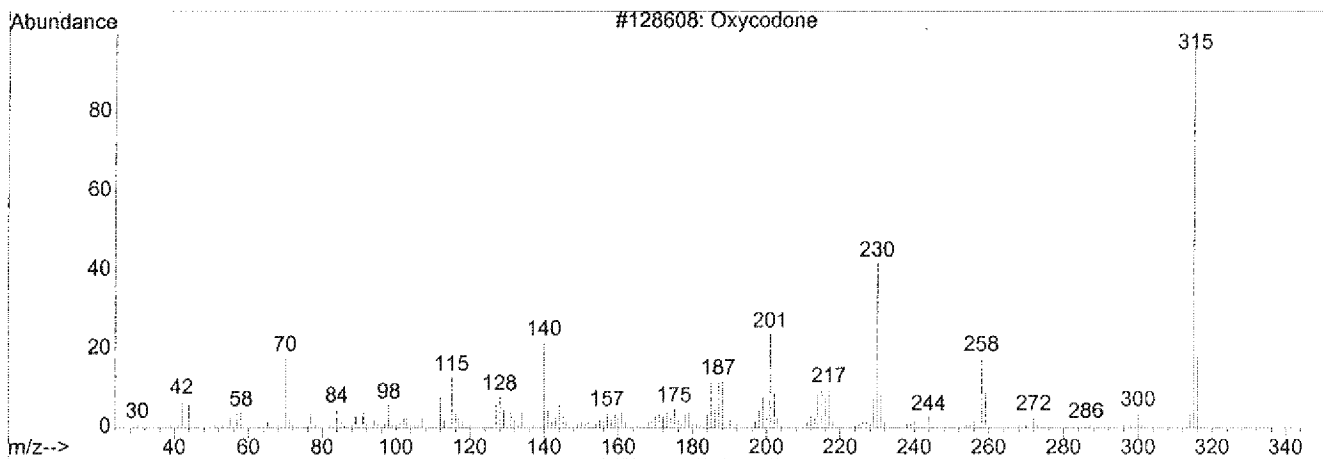
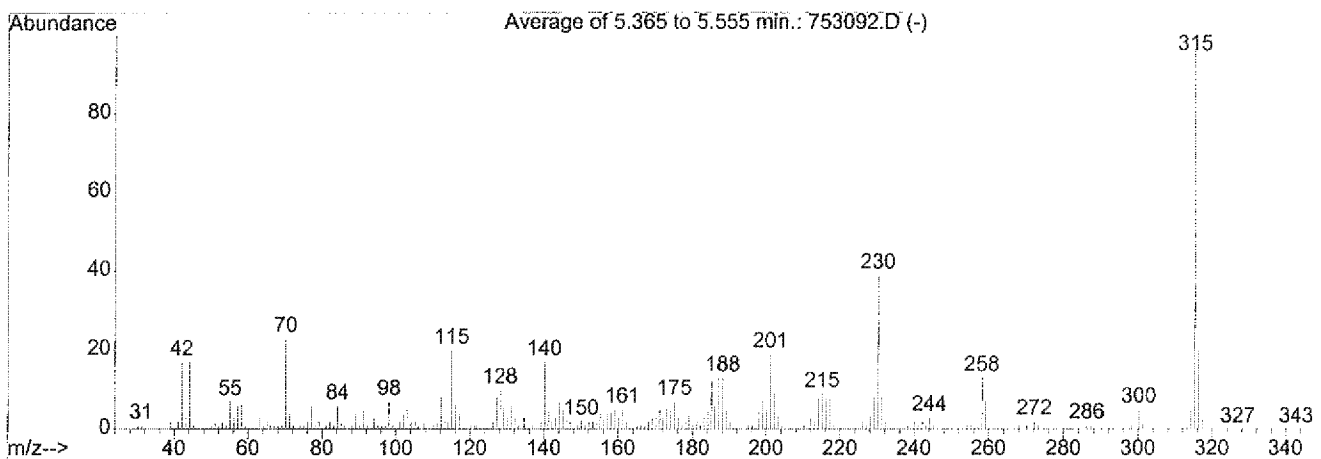
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\753092.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   4:00
Sample Name     : ██████████
Submitted by    : ZYT
Vial Number     : 92
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.42	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



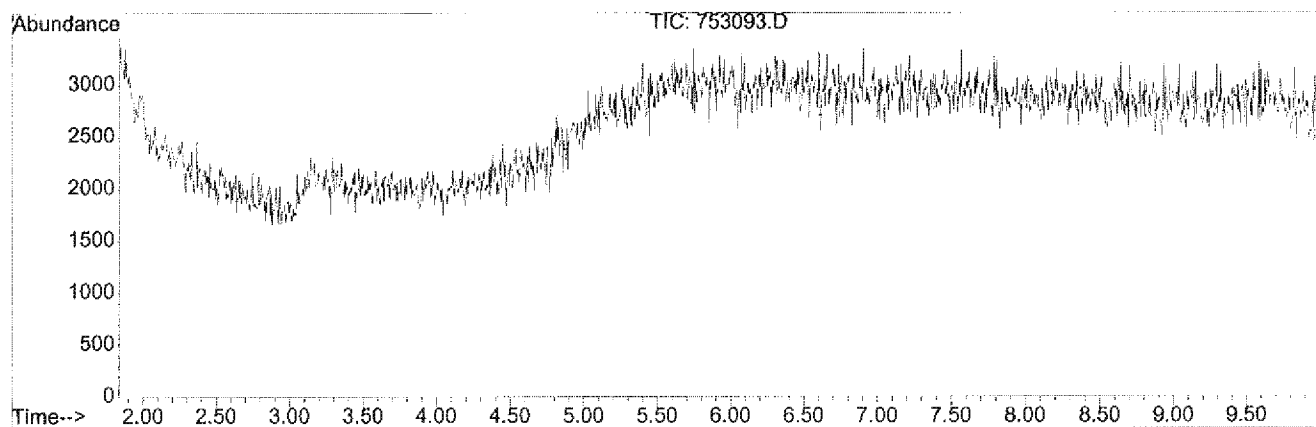
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753093.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 4:13  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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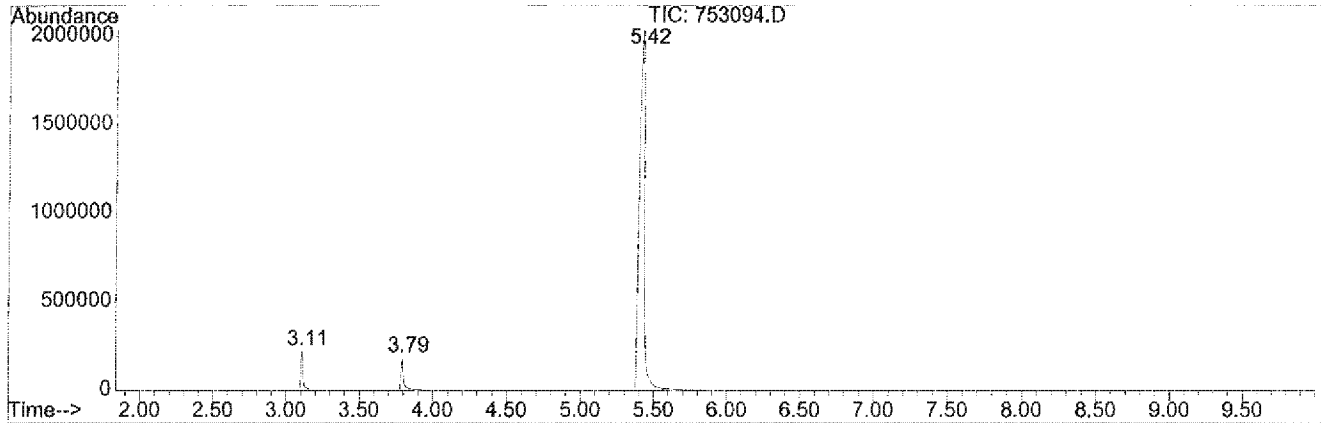
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753094.D  
 Operator : ASD  
 Date Acquired : 7 Nov 2010 4:27  
 Sample Name : XXXXXXXXXX  
 Submitted by : ZYT  
 Vial Number : 94  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.106	277964	5.06	5.58
3.794	229000	4.17	4.60
5.424	4982682	90.77	100.00

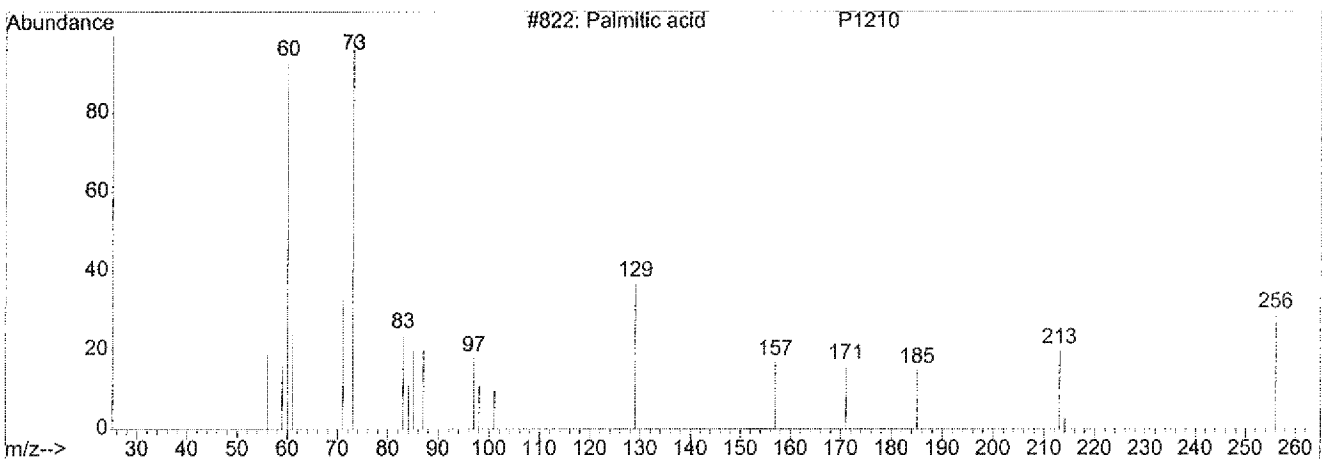
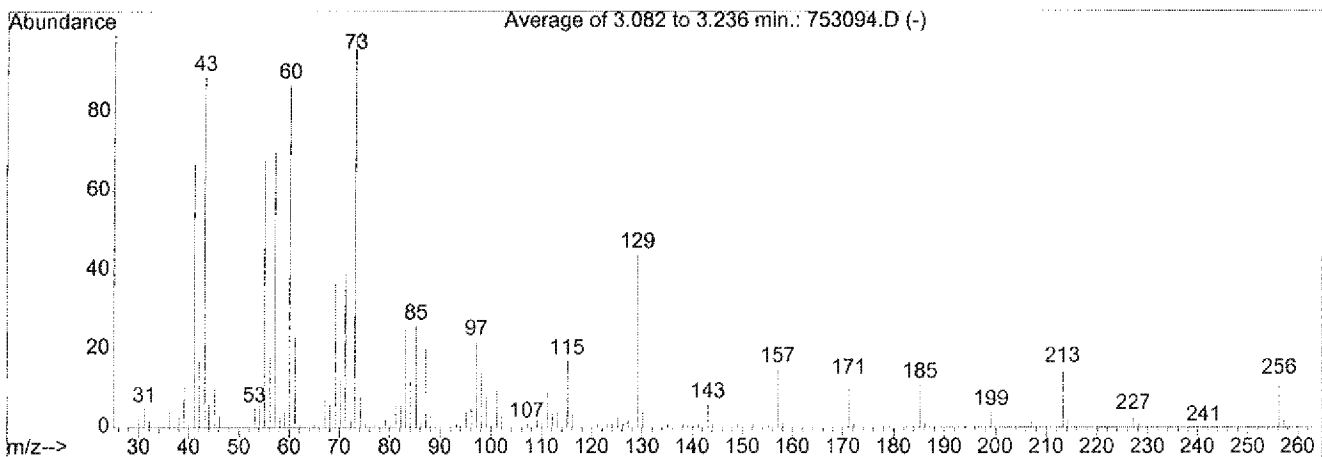
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753094.D  
 Operator : ASD  
 Date Acquired : 7 Nov 2010 4:27  
 Sample Name : XXXXXXXXXX  
 Submitted by : ZYT  
 Vial Number : 94  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.11	C:\DATABASE\PMW_TOX2.L		
		Palmitic acid	000057-10-3	94
		Myristic acid	000544-63-8	32
		Undecane	001120-21-4	10



# Area Percent / Library Search Report

**Information from Data File:**

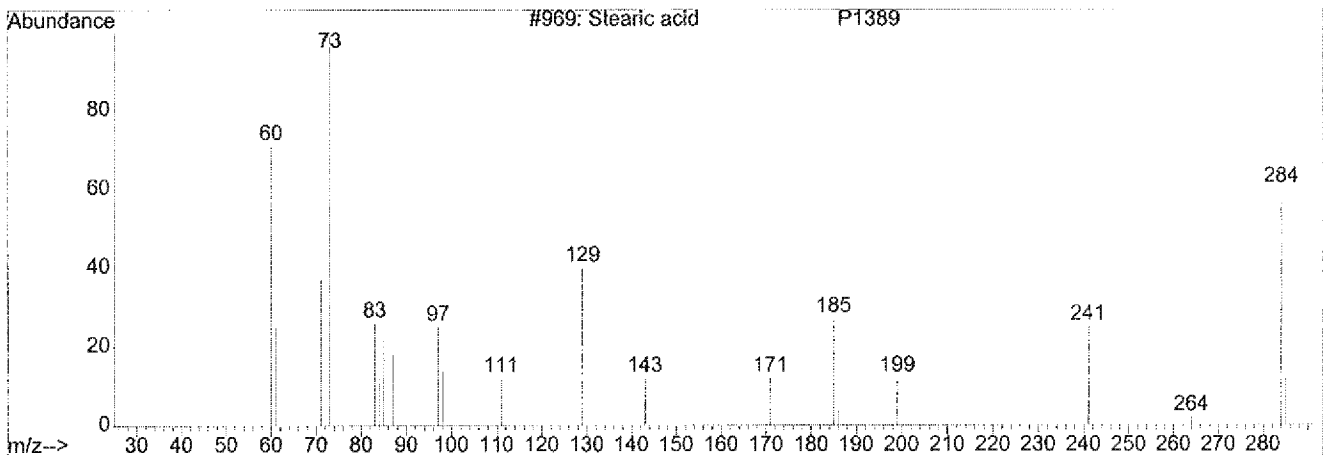
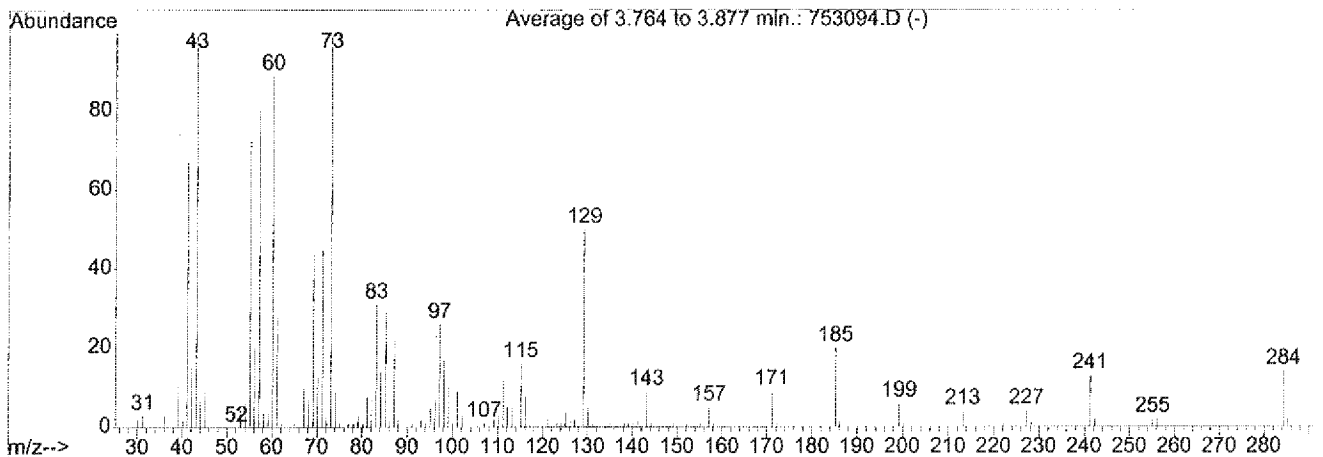
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\753094.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   4:27
Sample Name     : ██████████
Submitted by    : ZYT
Vial Number     : 94
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	3.79	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	94
		Myristic acid	000544-63-8	72
		Tridecane	000629-50-5	11



# Area Percent / Library Search Report

**Information from Data File:**

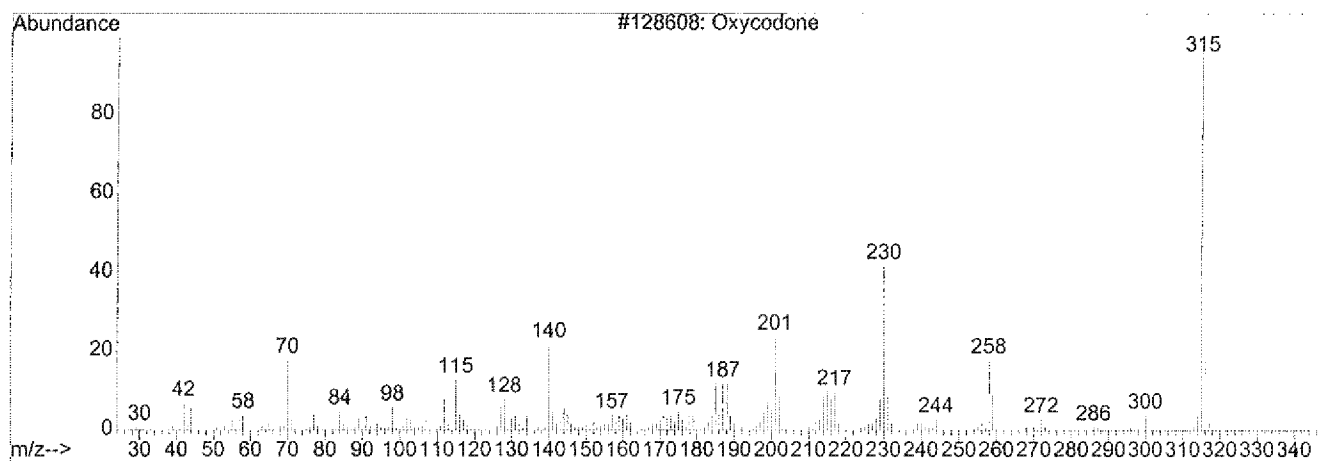
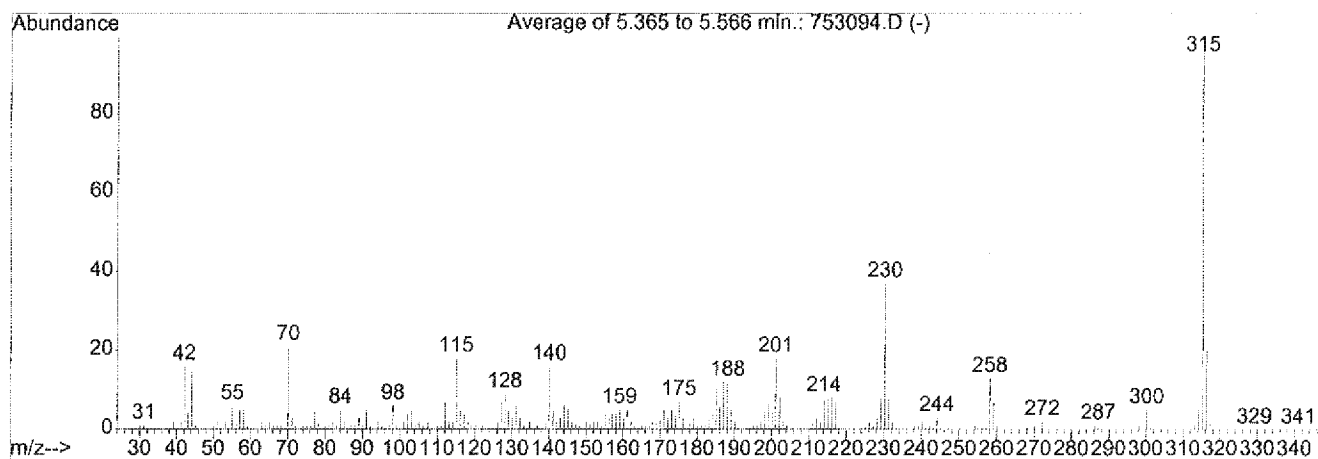
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\753094.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   4:27
Sample Name     : ██████████
Submitted by    : ZYT
Vial Number     : 94
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	5.42	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



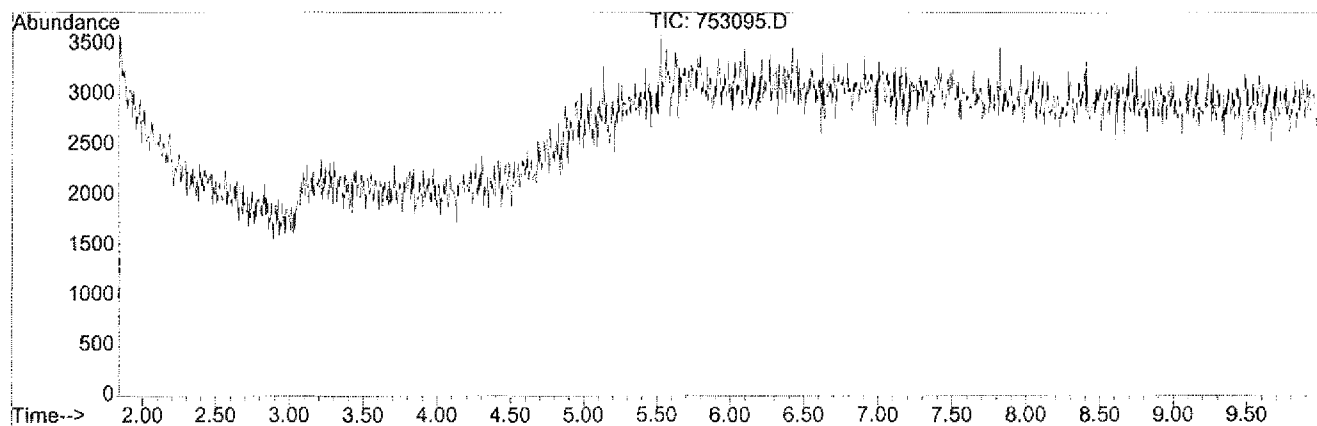
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\753095.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 4:40  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*



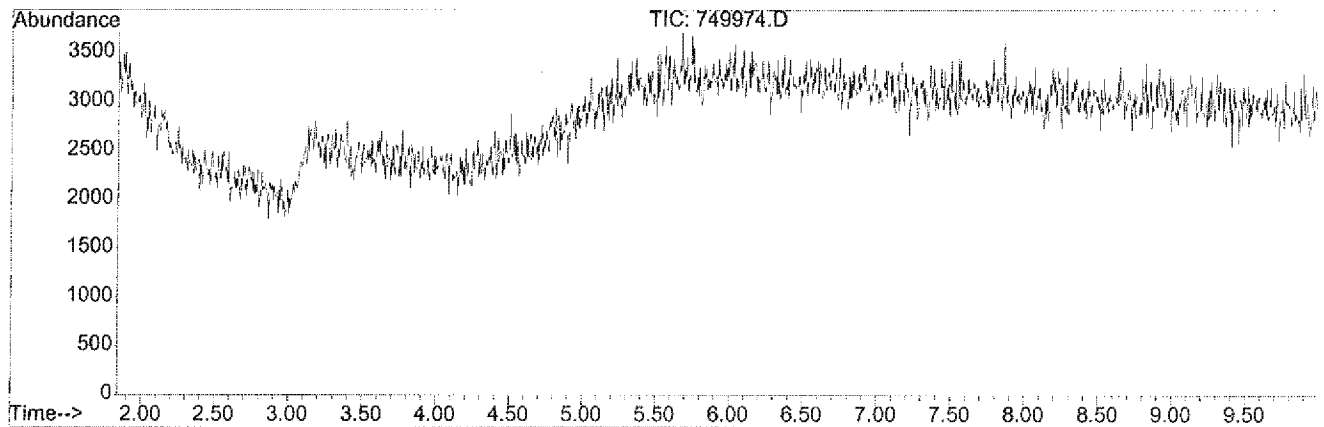
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\749974.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 7:57  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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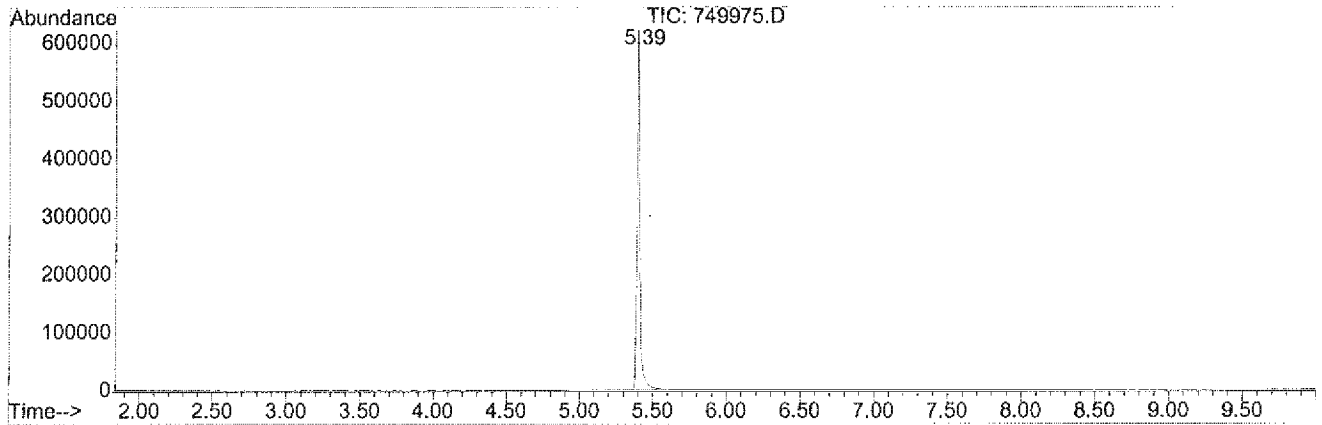
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\749975.D  
 Operator : ASD  
 Date Acquired : 7 Nov 2010 8:10  
 Sample Name : OXYCODONE STD  
 Submitted by : ZYT  
 Vial Number : 89  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.395	849340	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

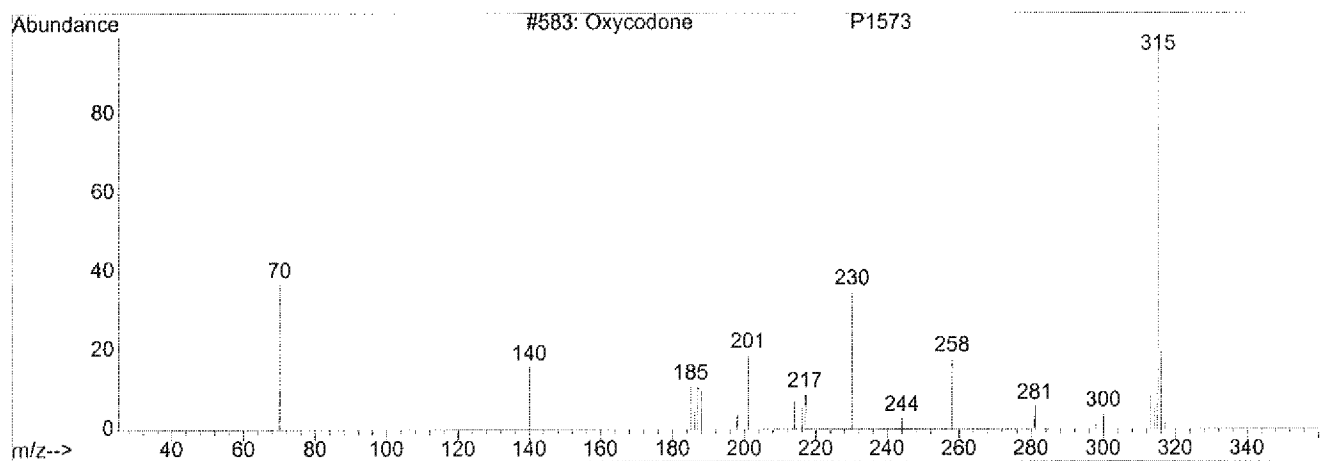
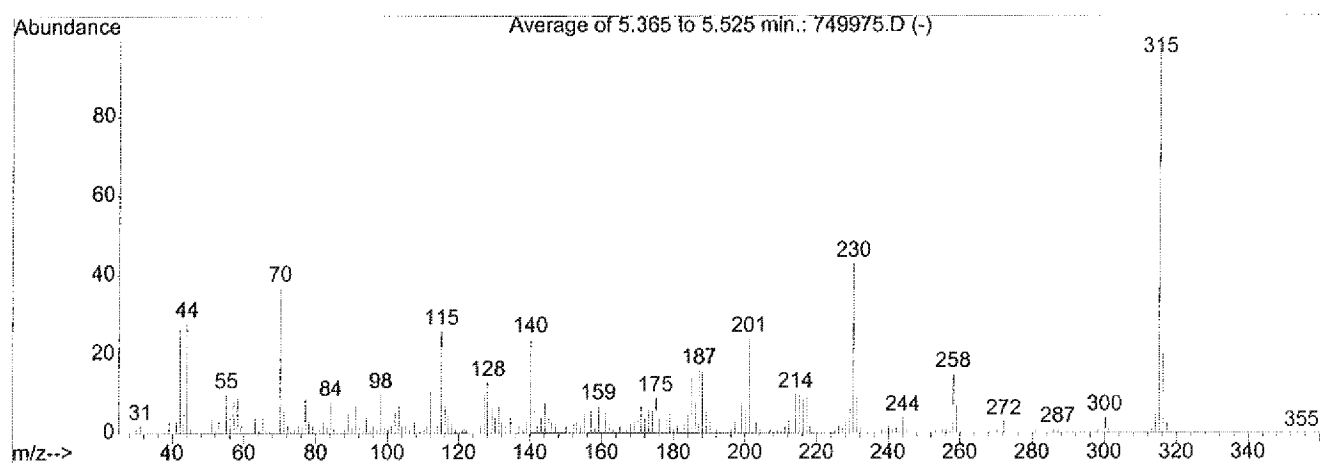
```

File Name       : F:\Q4-2010\SYSTEM6\11_05_10\749975.D
Operator        : ASD
Date Acquired   : 7 Nov 2010   8:10
Sample Name     : OXYCODONE STD
Submitted by    : ZYT
Vial Number     : 89
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.39	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	93
		Endogenous biomolecule AC	000000-00-0	35



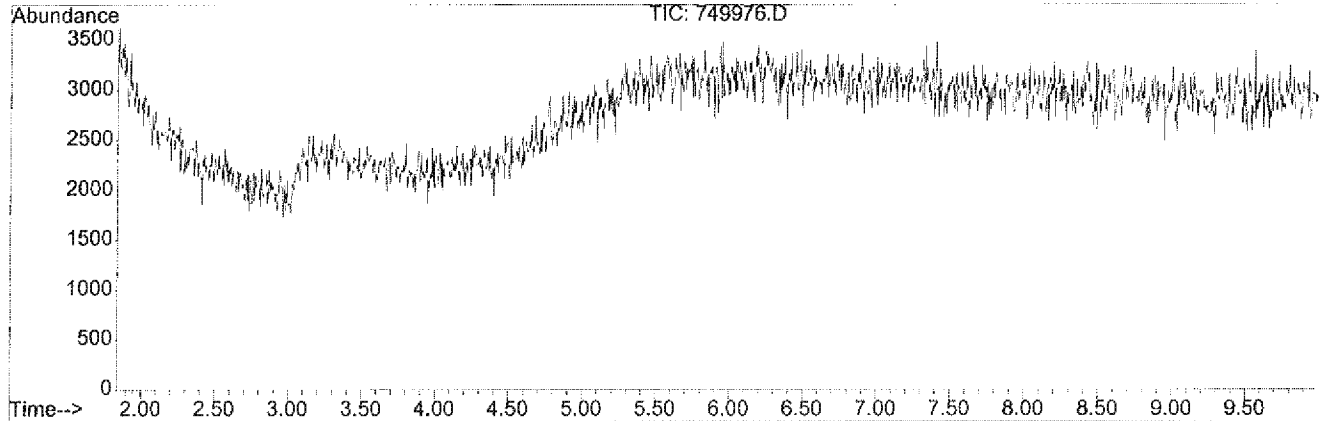
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_05\_10\749976.D  
Operator : ASD  
Date Acquired : 7 Nov 2010 8:23  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

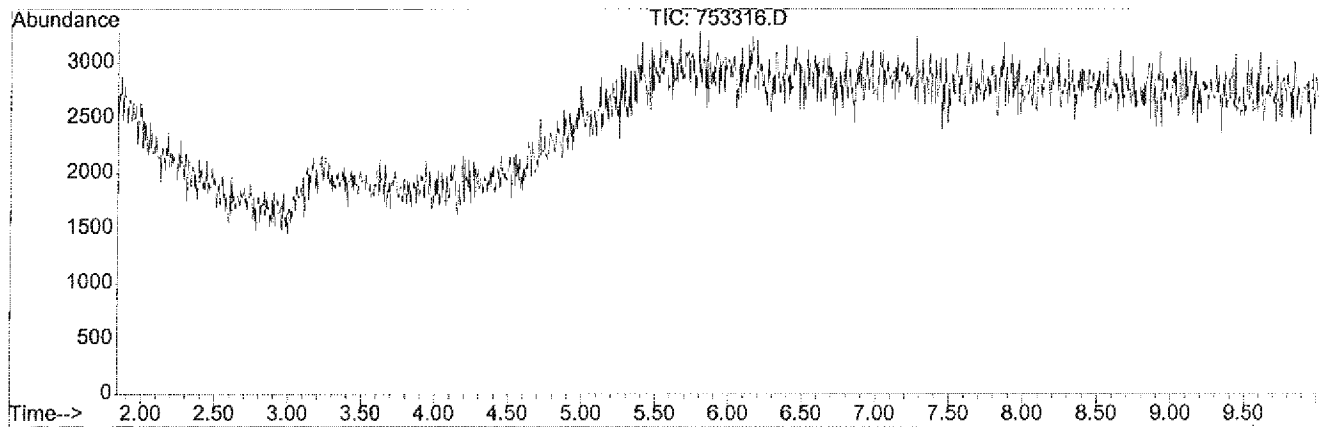
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753316.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 10:23  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

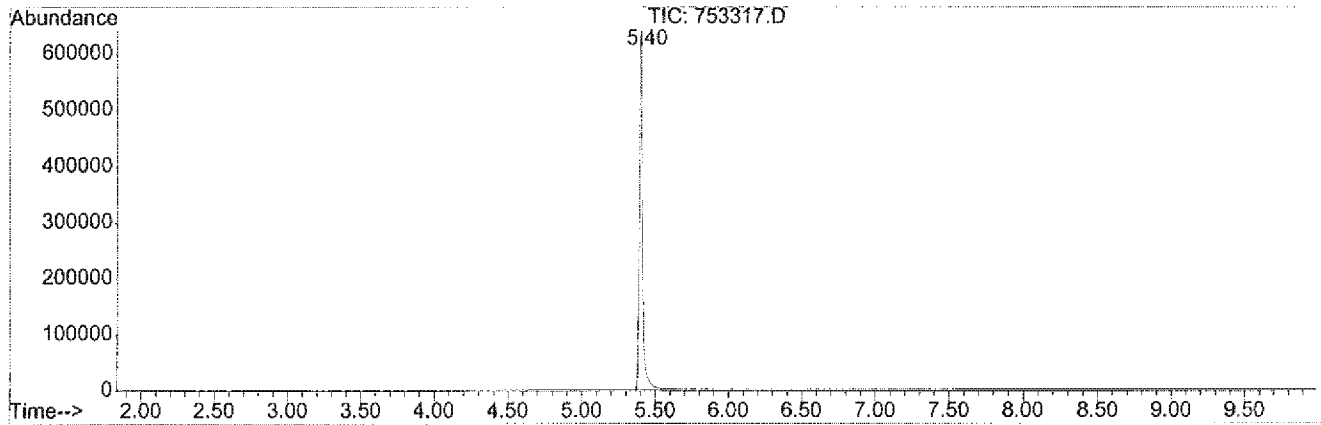
Area Percent / Library Search Report

---

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753317.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 10:35  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
5.401	935010	100.00	100.00

---

# Area Percent / Library Search Report

**Information from Data File:**

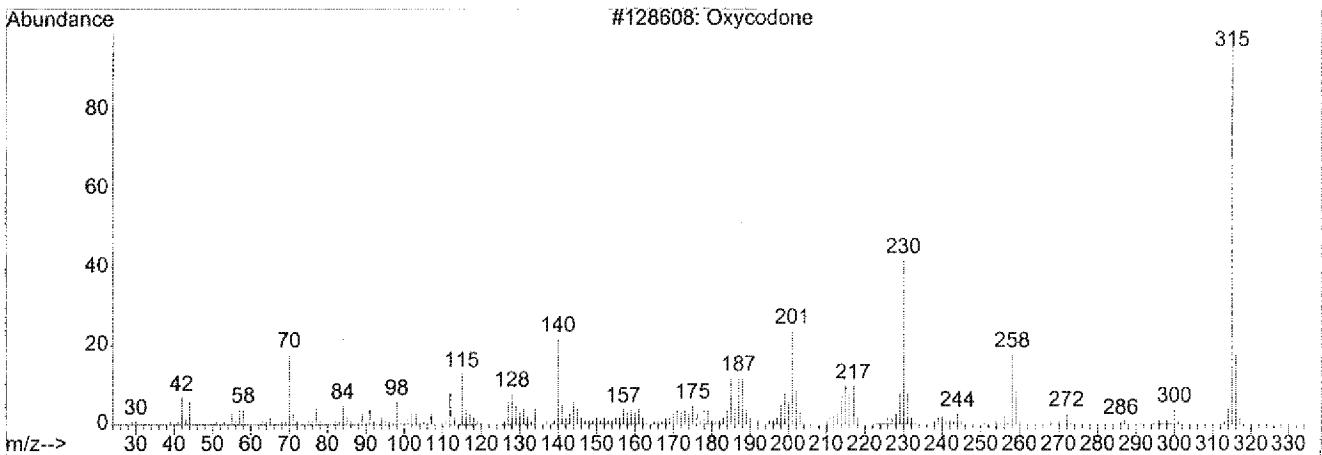
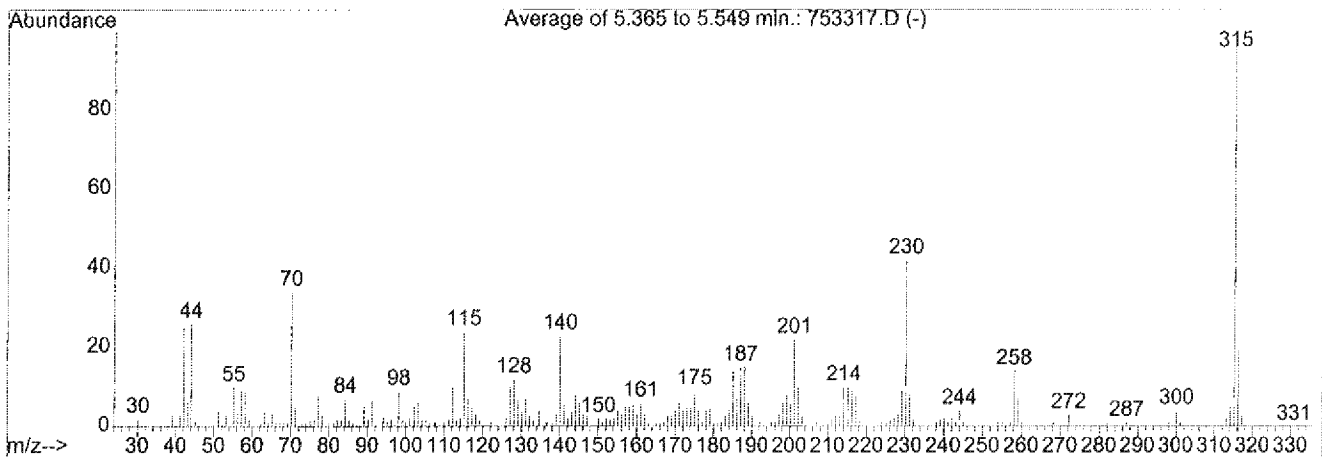
```

File Name       : F:\Q4-2010\SYSTEM6\11_08_10\753317.D
Operator        : ASD
Date Acquired   : 8 Nov 2010 10:35
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.40	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



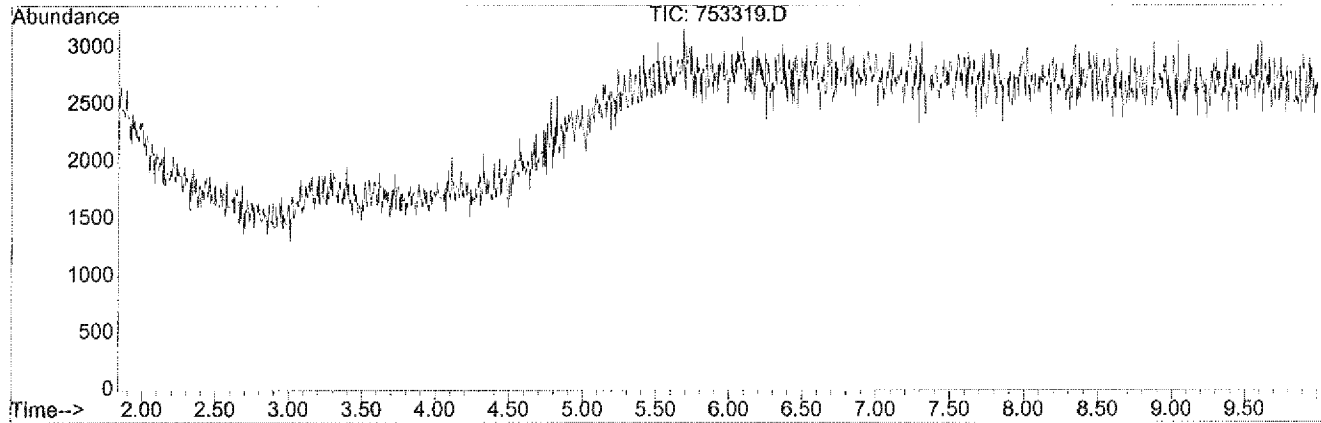
Area Percent / Library Search Report

---

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753319.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 10:48  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*



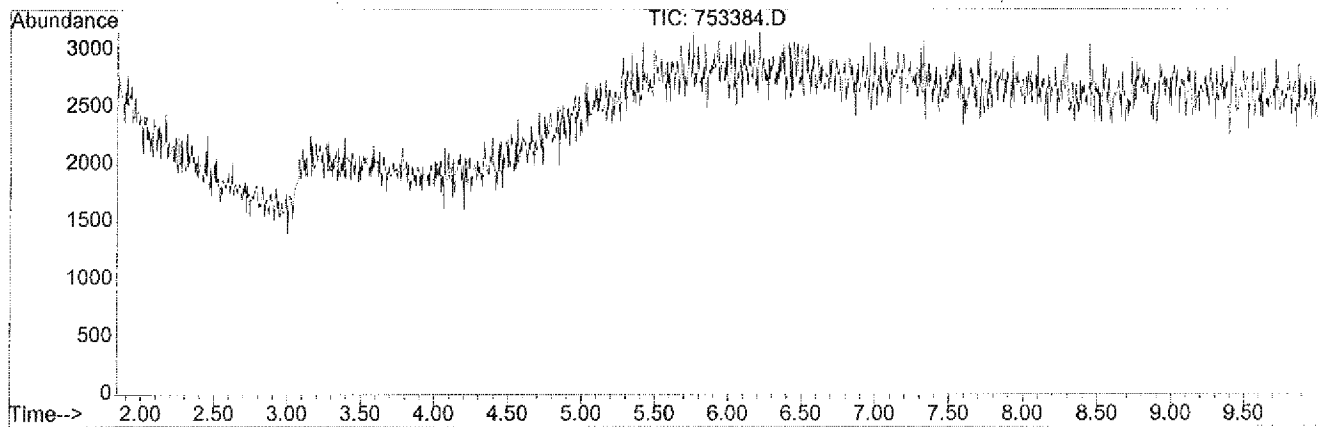
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753384.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 1:27  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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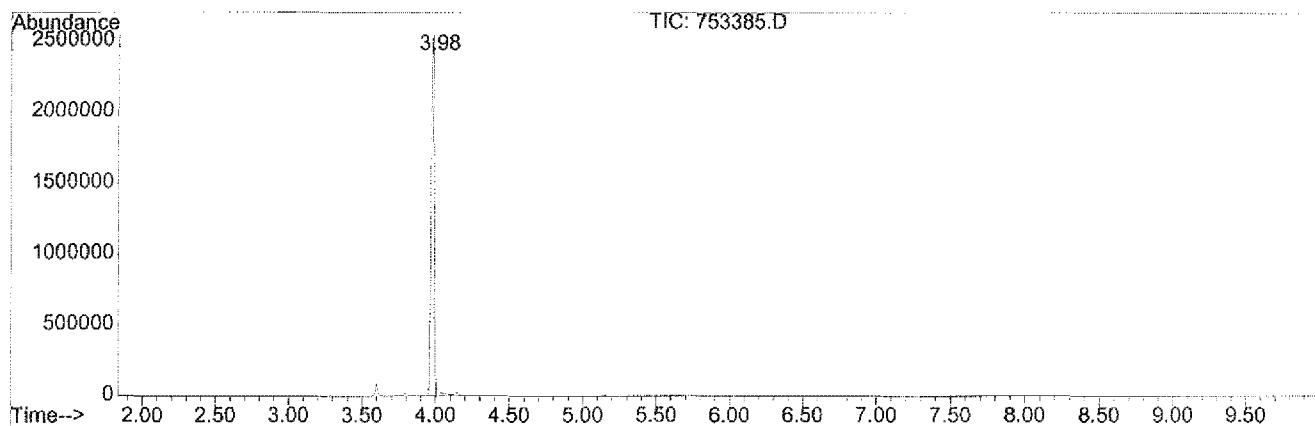
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753385.D  
 Operator : ASD  
 Date Acquired : 9 Nov 2010 1:40  
 Sample Name : XXXXXXXXXX  
 Submitted by : ZYT  
 Vial Number : 85  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.984	3789253	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

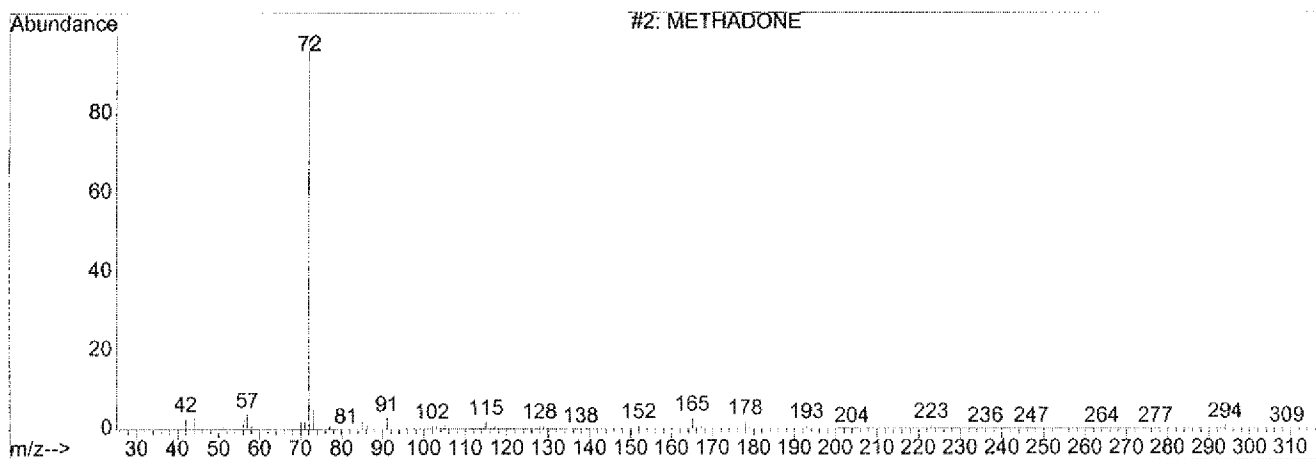
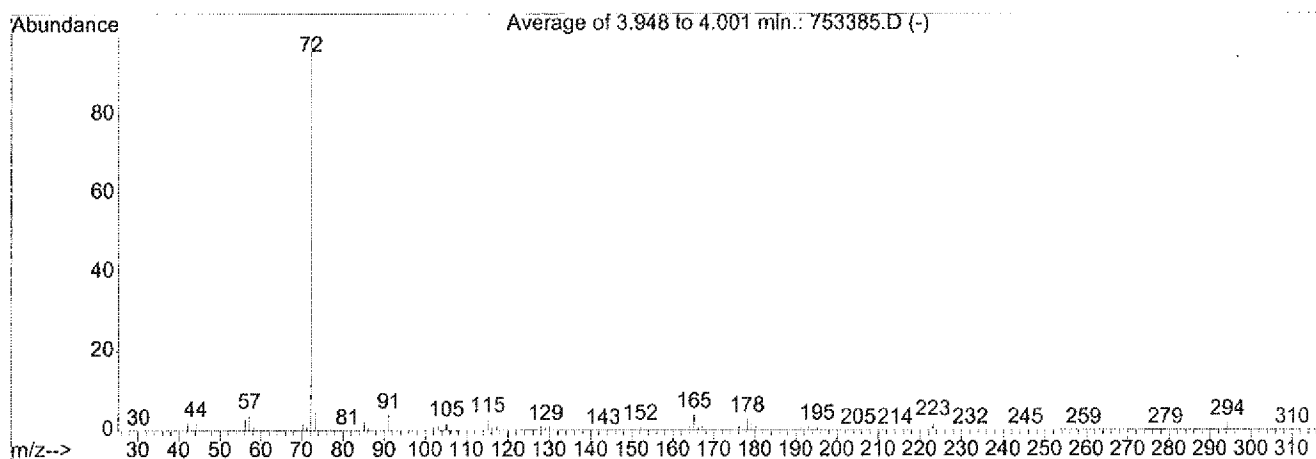
```

File Name       : F:\Q4-2010\SYSTEM6\11_08_10\753385.D
Operator        : ASD
Date Acquired   : 9 Nov 2010   1:40
Sample Name     : 
Submitted by    : ZYT
Vial Number     : 85
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.98	C:\DATABASE\SLI.L METHADONE	001095-90-5	97



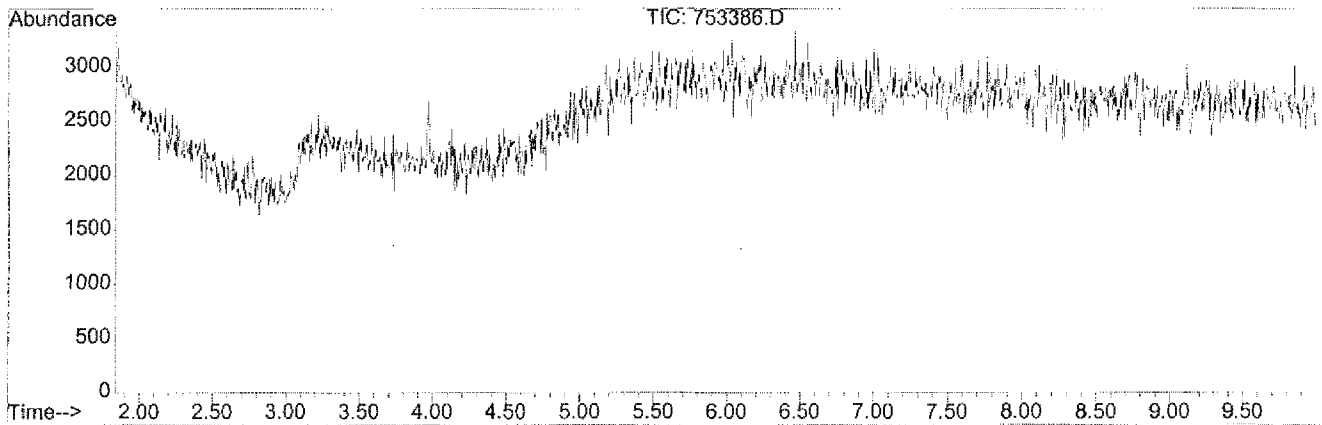
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753386.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 1:53  
Sample Name : BLANK  
Submitted by : ZYT  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

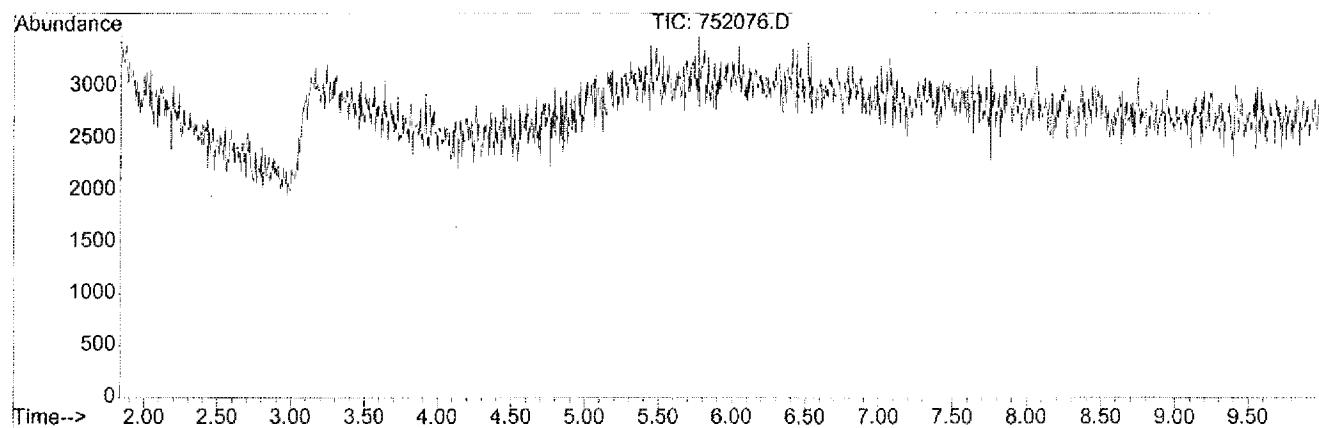
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752076.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

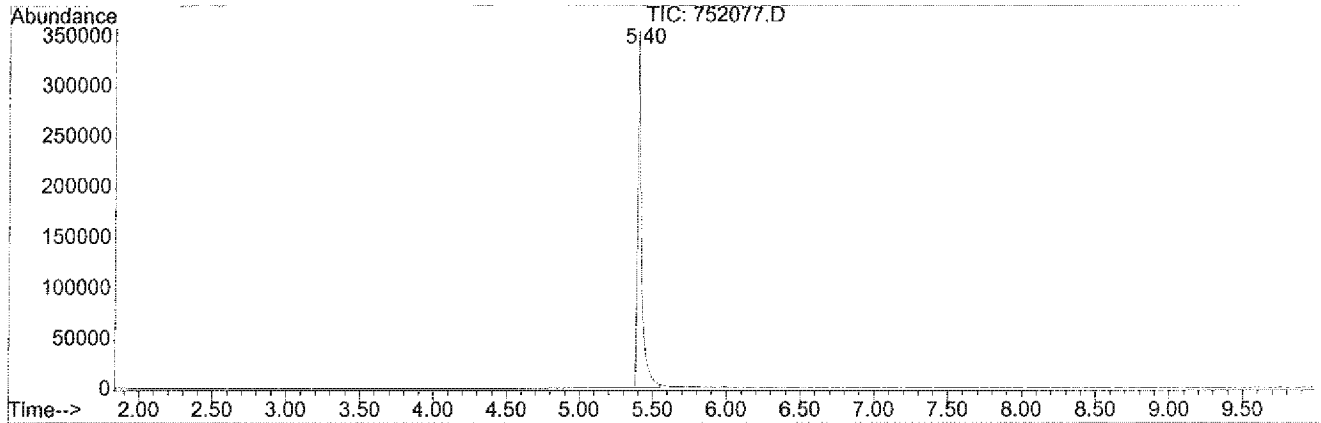
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752077.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:32  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
5.401	646744	100.00	100.00

---

# Area Percent / Library Search Report

**Information from Data File:**

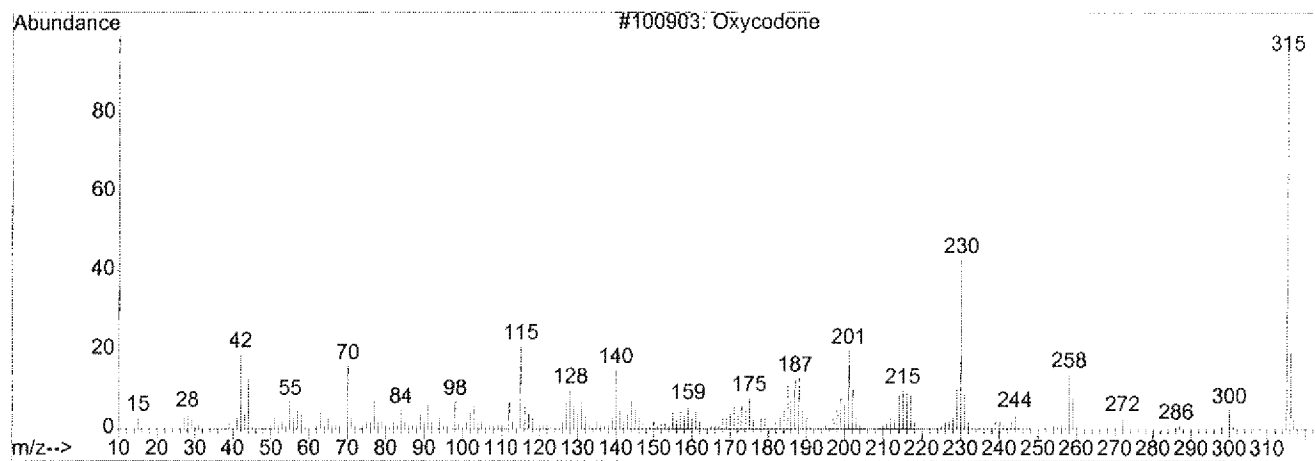
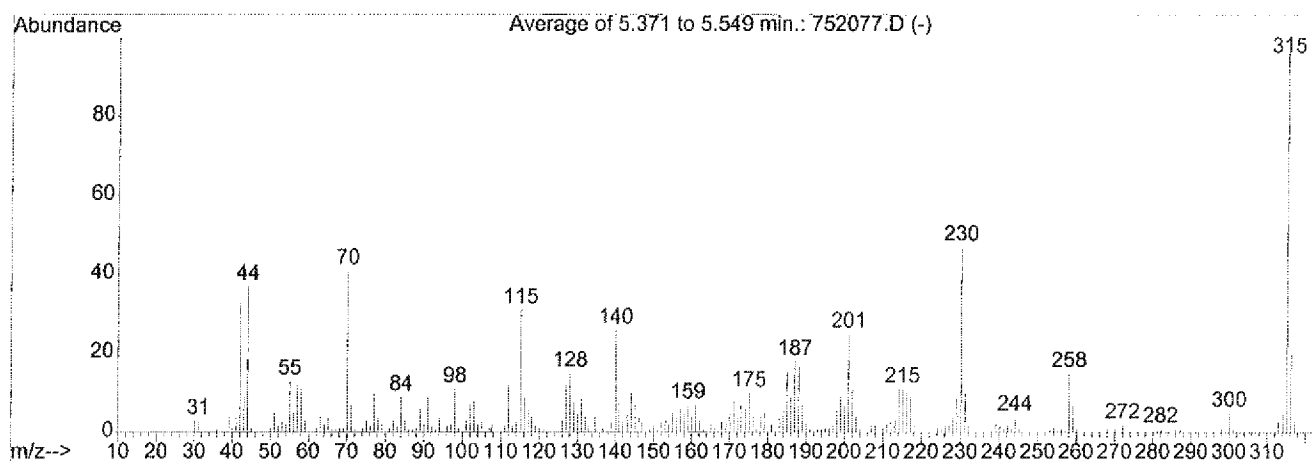
```

File Name       : F:\Q4-2010\SYSTEM6\11_08_10\752077.D
Operator        : ASD
Date Acquired   :  9 Nov 2010   5:32
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     :      5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries:  C:\DATABASE\SLI.L             Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L        Minimum Quality: 90
                   C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.40	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



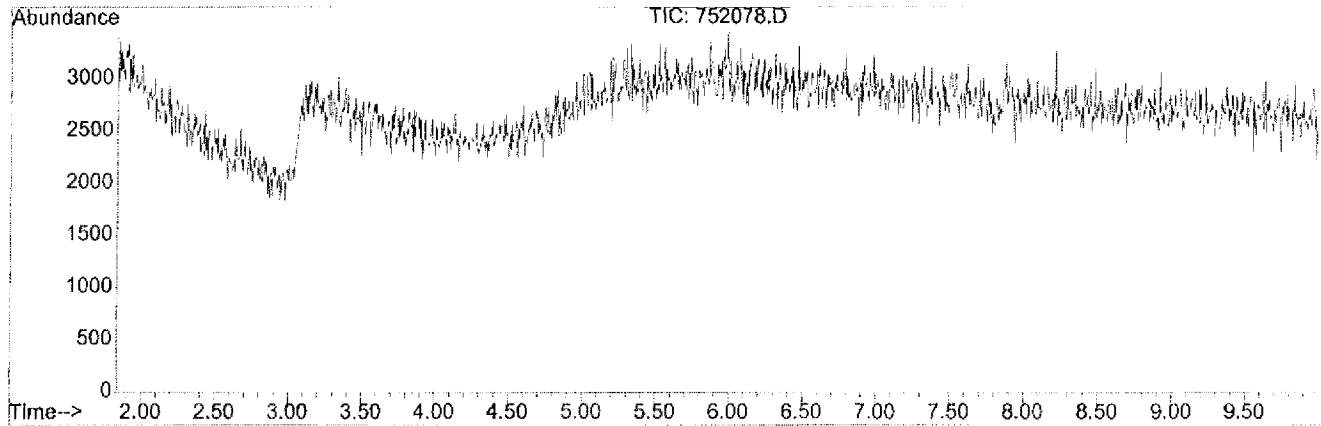
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752078.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:45  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*